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SEPTEMBER 4, 1937

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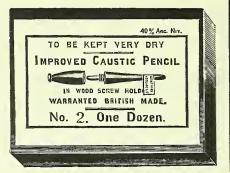
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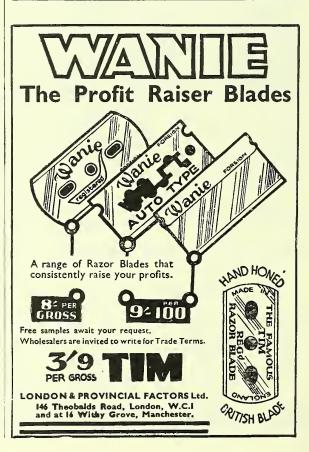
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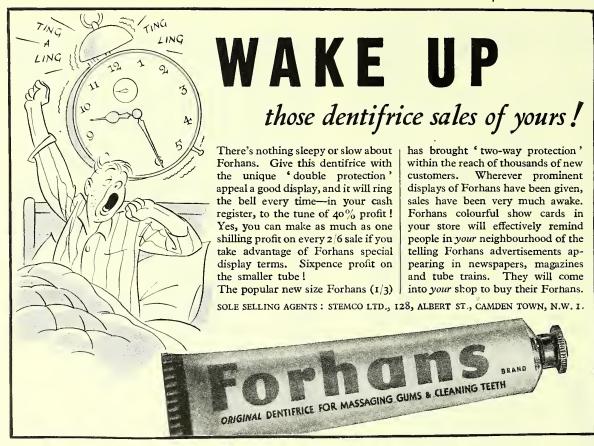
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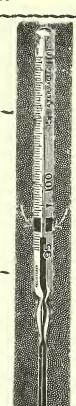
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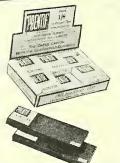
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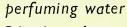


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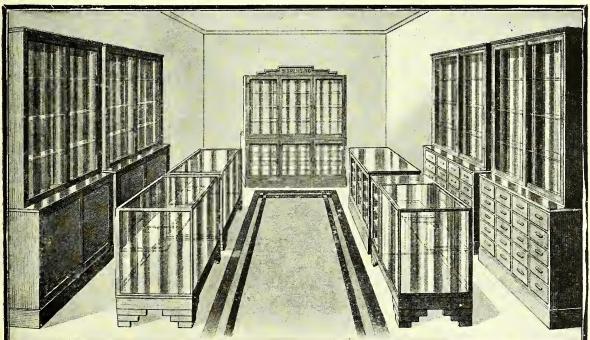
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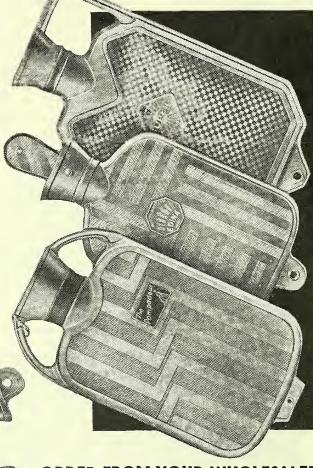
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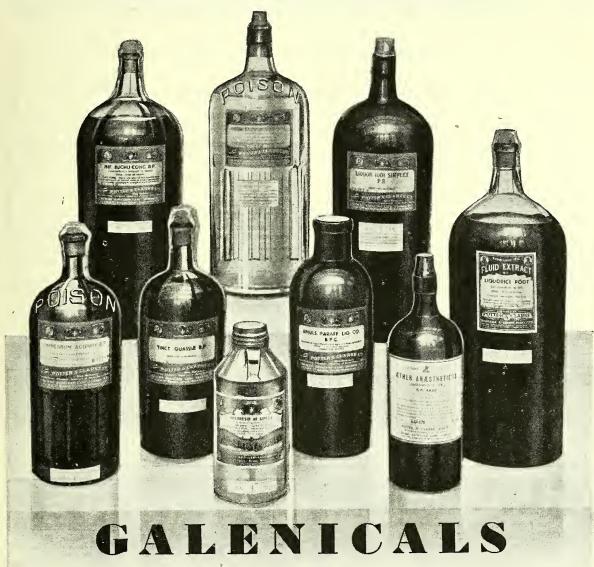
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News of the Week

Import Duties Advisory Committee Notices

The Import Duties Advisory Committee give notice of the following applications:-

For the restoration of the general ad valorem duty of 10 per cent. on solid insoluble QUEBRACHO EXTRACT. For drawback under Section 9 of the Finance Act, 1932, in respect of solid insoluble Quebracho Extract used in the manufacture of soluble QUEBRACHO EXTRACT, whether or not mixed with other tanning extracts. Any representations which interested parties may desire to make in regard to these applications should be addressed in writing to the Secretary, Import Duties Advisory Committee, Shell-Mex House, Strand, London, W.C.2, not later than September 23, 1937.

Proprietary Articles Trade Association

We have been advised of the following additions to and alterations in the Protected List of the Proprietary Articles Trade Association, 43 Gordon Square, London, W.C.I. The retail and wholesale prices quoted are the minimum selling prices fixed by the manufacturers and protected by the P.A.T.A.:—

Additions.—Kaylene, Ltd., Magsorbent Glucose Granules,

1s. 6d.; 13s. 6d. dozen.

Alterations .- Jackel et Cie (of Paris), Ltd., Jackel's Cream for the Hair, 5 oz. 1s. 4d., 11s. dozen; 10 oz. 2s. 6d., 2os. dozen. Oilafax for the Hair, 5 oz. 1s. 4d., 11s. dozen; 10 oz. 2s. 6d., 2os. dozen. Complete dozens of above lines, 13 to dozen. Odelux (for the Skin), 6 oz. 3s., 24s. dozen.

City of London Health Report

The latest annual report of the medical officer of health for the latest annual report of the medical officer of health for the City of London, covering the year 1936, has just been issued. The report opens with a tribute to the late Dr. W. M Willoughby, the predecessor of the acting medical officer (Dr. Charles F. White). Work in the department so far as enactments affecting the drug trade are concerned has apparently been light. Up to the end of the year under review ninetyseven persons had been registered as listed sellers of poisons. One offence under the Fertilisers and Feeding Stuffs Act, 1926, necessitated the taking of proceedings, which, however, were taken in an area outside the jurisdiction of the City authorities. Under the Merchandise Marks Act, 1926, and the Agricultural Produce (Grading and Marking) Acts, 1928 and 1931, there were in all thirty "minor offences." Samples reported against under the provisions of the Food and Drugs (Adulteration) Act, 1928, included one each (informal) of camphorated oil, mercury ointment, zinc ointment, spirit of sal volatile, and "spices and herbs," and one each (formal) of camphorated oil, zinc ointment, and "spices and herbs." Legal proceedings were taken, and fines imposed, in two cases out of a total of sights circle in the basic location. eighty-six in which articles described as drugs were sampled. Under the Shops Act, 1934, 608 shops and warehouses were

inspected and 243 defects found, all of which were remedied without proceedings being taken. The depredations of rats are, as in past years, referred to in considerable detail. The report states:-

"The reaction of the public to the problem generally may be summarised by saying that the rat has come to be regarded as an unavoidable evil. This has brought about the feeling that the rat is far too clever for us, and the problem has long since ceased to receive the logical treatment it should. There can be little doubt that the rat succeeds rather because of our apathy than by its own superiority. Occupiers of property complain frequently of their rat-infested premises, but usually because of the financial loss caused. The proprietor of a business is vitally interested from this point of view. It may be considered natural that this view-point rather obscures the aspect of danger to public health; further, it might be said that, as both view-points lead to one ultimate aim—the riddance of the pest—it does not much matter.

"Yet there is a difference, for the financial loss is to the minority in business houses. If the public generally could be made rat-conscious solely from the more important aspect of public health, great strides could be made to solve this problem, for then we should have a majority interest, with everyone showing more care in their conduct. . . . Because of the lack of this majority interest, the best method of repression—the consistent removal of attractions—is lost, and we fall back on the trapping and poisoning methods of destruction, carried out with different degrees of efficiency, the result being unsatisfactory and indefinite because it depends upon individual and not collective effort. Here it is that the rat gains its reputation for cleverness. That it avoids our traps successfully cannot be denied; but the ordinary break-back trap has many points in its disfavour—primarily, the number of years it has been in use. It is feasible that the rat has an inborn instinctiveness to avoid such a trap; again, if the trap is successful, it shows another rat how its less fortunate mate was killed. . . . The introduction of printers' varnish as a trap . . . took place some years ago. It was extensively used and recommended in the City. It was new. Hundreds of rats were caught through this medium—seven, eight, nine, on a board. Now the rat is shy of this contrivance. It still has success where it is introduced for the first time, but it appears that any method of catching rats which shows others how it is done must fail with the passing of time. Many poisons are employed to destroy rats. Many succeed, but ever present is

the danger of this "domestic" rat dying under the floor or in the hollow wall, probably in the water storage tank: circumstances which often bring complaints to this

CONTENTS See p. 279

Department. For these reasons the use of poison is not recommended by this Department."

It is also pointed out that rats have a habit of hoarding lumps of solid material such as loaf sugar, and that therefore the disappearance of poison does not necessarily mean its consumption.

Report of Explosives Inspectors

The sixty-first annual report of H.M. Inspectors of Explosives has been published (price 9d.) by H.M. Stationery Office. As is customary, a considerable part of the report is occupied by details of accidents occurring during street repairs and in large scale processes of manufacture. The following paragraphs printed under the heading "Illegal Manufacture" may be quoted as showing that the warnings given are not yet superfluous:—

Chlorate-phosphorus and chlorate-sulphur mixtures.—Two years ago we drew special attention to the danger of these mixtures and the subject was again mentioned in last year's report. There have unfortunately been four further accidents this year, and possibly others unreported....

accidents this year, and possibly others unreported. . . Of these accidents (275) and (278) in particular illustrate the extreme sensitivity of these mixtures. In the first case a master at an elementary school mixed potassium chlorate and antimony sulphide in an envelope. He then added phosphorus, and while he was smoothing it over with a stick of chalk the explosion occurred. The master received severe injuries and it was found necessary to amputate three fingers. The science text-books in use at the school were obtained, and it was found that they gave details about these mixtures and also suggested other experiments with explosives. The matter was taken up with the publishers and also with the Board of Education. In the other case a boy had mixed phosphorus with potassium perchlorate and had placed it in a bottle. Whilst he was in the act of screwing on the metal cap an explosion occurred causing injuries to his face, hands and abdomen.

Another accident (206) resulted in a boy of thirteen receiving injuries. In this case about an ounce of both potassium chlorate and sulphur was actually mixed by a qualified chemist, before he handed it to the boy. The chemist was subsequently prosecuted and fined.

A more serious accident (173) resulted in three boys being injured, two very seriously. In this case both phosphorus and sulphur were being mixed with potassium chlorate when the explosion occurred. One of the boys possessed a chemical set, but it is possible that the sulphur and potassium chlorate were bought separately. The matter was, however, taken up with the manufacturers of the set, who agreed to exclude potassium chlorate in future.

The conveyance of petroleum spirit and of compressed hydrocyanic acid is referred to in another part of the report, with a hint of more stringent regulations. The danger of using oil or grease in contact with cylinders containing oxygen is emphasised, as also is the risk of using oxygen instead of compressed air. The report has thirteen appendices.

Inquests

At Southampton, on August 26, a verdict of "Death by misadventure" was returned at an inquest on the body of George S. Kimber, who died in hospital. A nurse stated in evidence that she inadvertently prepared a morphine injection for him from a 2-gr. tablet instead of from a $\frac{1}{6}$ -gr. tablet.

The West London coroner held an inquiry, on August 31, concerning the death of Mrs. Gramshaw, Talgarth Road, W.14, aged eighty, who committed suicide by taking 100 aspirin tablets while the balance of her mind was disturbed. Sir Bernard Spilsbury said the fatal dose of aspirin was not known, but 100 gr. had proved fatal, and a much smaller amount might have resulted in the death of a woman of Mrs. Gramshaw's age.

Birmingham

The Birmingham Pharmaceutical Association has circulated its annual report for the year 1936-37, with reports of the local branches of the Pharmaceutical Society and National Pharmaceutical Union and a letter signed by the president (Dr. E. G. Bryant) and secretary (Mr. D. J. Rushton). The balance sheet of the Association shows a credit balance of £37. The annual meetings of these three bodies will be held on September 14.

Liverpool

Manesty Machines, Ltd., manufacturers of automatic water stills and tablet-compressing machines, have decided to work a five-day week for a trial period at their new works at Speke Hall Road, Liverpool, 19.

An outbreak of fire which occurred recently on the top floor of premises occupied by C. W. Field, Ltd., manufacturing chemists, Wood Street, was quelled by the Liverpool Fire Brigade with comparatively little damage to the stock or the building.

On August 31 the Liverpool Chamber of Commerce discussed the delay in obtaining money due to British creditors from Spanish sources. Mr. T. Edward Lescher, last year's chairman of the chamber, said that it was just over a year since any payment was made to British merchants out of the fund into which exporters and importers had paid. It was at a meeting of bankers and others in London that the immediate suspension of payments was agreed on, but in Liverpool they took a different view, their case being that suspension could only be justified by the consent of all parties. They all knew that there was about £1,750,000 lying at the Bank of England and about £4,750,000 paid into the Bank of Spain, and they could not understand why the money had not been paid out.

London

At Marylebone Police Court, on August 30, Leon J. Isserlis, Elms Road, S.W.4, was remanded on bail for twelve months on a charge of obtaining by false pretences a camera and two films, value £7 17s., from Regent Chemists, Ltd., Upper Berkeley Street, W.1.

The new session of the Sir John Cass Technical Institute, Jewry Street, Aldgate, E.C.3, which extends over about thirty-six weeks, will begin on September 20. Students will be enrolled on and after September 15. The principal and heads of departments will be pleased to advise intending students at the commencement of the session.

Miscellaneous

CRICKET.—The final of the Guiseley St. Oswalds C.C. workshops competition was played recently by teams representing W. B. Cartwright, Ltd., Rawdon, Leeds, and Crompton Lamps. The former scored 93 and the latter 95 for five wickets.

In connexion with the Chemists' Friends scheme, the Leeds Branch of the National Pharmaceutical Union has arranged a display of T.C.P. products commencing on September 13. British Alkaloids, Ltd., are offering two prizes for the best-dressed windows.

Post offices and health services.—Circulars have been sent from the Ministry of Health to local authorities suggesting co-operation with post office officials throughout the country for the more adequate display in post offices of notices relating to health services, including National Health Insurance medical benefit

The joint secretaries of the Anglesey, North Carnarvonshire and Colwyn Bay Branch of the Pharmaceutical Society, Mr. T. N. Dixon, 301 High Street, Bangor, and Mr. Eirwyn Owen, 345 High Street; Bangor, have issued a circular to the members of the Branch giving preliminary notice of some of the chief events in the forthcoming session.

Dyestuffs Advisory Licensing Committee.—The Board of Trade has reappointed Sir Robert Waddington to be chairman, and Mr. S. T. Kinsman, Sir Henry Sutcliffe Smith and Mr. W. J. U. Woolcock, C.M.G., C.B.E., to be members of the Dyestuffs Advisory Licensing Committee for a further period of three years. The Board have also appointed Sir Miles E. Mitchell, J.P., to be a member of the Committee for a period of three years.

In the courts.—At Alnwick, recently, J. F. Percival, Ltd., Valentine Place, London, S.E.1, were fined £10, with £4 4s. costs, for having sold to the Northumberland County Council pepper which, according to the evidence, contained 32 per cent. of rice starch and added colouring matter.—At Stratford (Essex) Police Court, on September 1, Sidney A. Weller, foreman painter, was bound over, and ordered to pay 15s. costs, on a charge of stealing timber belonging to May & Baker, Ltd., Dagenham, his employers.

Irish Notes

Irish Drug Association

The Committee of the Irish Drug Association met on August 23, Mr. P. A. Brady (president) in the chair. The Committee were able to announce that Bayer Products, Ltd., have been placed on the Approved List of Manufacturers. The increasing growth of clubs throughout the country was under consideration, and members were warned regarding trading of this kind. Mr. Brendan Smith reported the result of a meeting in the North-West, and several new members were elected.

Miscellaneous

New Businesses.—Mr. James Browne, L.P.S.I., has opened a pharmacy at 8 Mardyke Street, Athlone.—Mr. Michael J. Mulreany, M.P.S.I., has opened a pharmacy at Wine Street, Sligo. Mr. Mulreany is a gold medallist of the Pharmaceutical Society of Ireland.

Transfer of ownership.—The pharmacy of Mr. Austin O'Malley, M.P.S.I., at 3 Vernon Avenue, Clontarf, will be carried on as from September 1 by Mr. Hugh P. Corrigan, M.P.S.I., Malahide Road, Dublin. Mr. O'Malley will devote his attention to his pharmacy at Castlebar, co. Mayo.

Golf.—At Newlands Golf Club, Clondalkin, co. Dublin, on September 12, the Irish Chemists' Golfing Society will hold their final meeting of the year. There are no fewer than five cups to be won: the Maw cup, the Hanna cup, the Erasmic cup, the Irish Glass Bottle Co.'s cup, and the Elastoplast cup. In addition, P. C. Cahill & Co., Ltd., have presented a prize which, it is expected, will attract many competitors.

Scottish Notes

Glasgow and West of Scotland

Glasgow, it is stated, claims to be the first city in the United Kingdom to complete its aid-raid precaution schemes. The corporation is asking the Government to meet the whole expenditure

expenditure.

P. H. Galloway, Ltd., are opening on September 6 a depôt at 23 Hope Street, Glasgow, C.2. Messrs. Galloway, who manufacture and pack their own lines, are also sole agents for Jules Freres, Ltd., manufacturers of toilet preparations. Full stocks will be carried at the Glasgow depôt. In a statement to the Press, Mr. J. E. Galloway (managing director) said: "Since the establishment of our business by my father in 1890 we have spared no effort in our endeavours to provide quality lines at reasonable prices. . . . We welcome to our showroom all our old trade friends in Scotland and as many new ones as care to call and inspect our extensive range of lines."

Miscellaneous

Spurious coins.—Aberdeen chemists have been warned of the circulation of spurious florins and half-crowns. These coins are dated 1935 and 1936, and are so cleverly designed that they are seldom detected until they reach the banks.

Scottish Chemists' Bowling Association.—The annual game for the Scottish travellers' trophy (single-handed competition) will take place on Rutherglen Bowling Green on September 8 at 10 a.m. Entry forms must be returned by September 6 to the Secretary, Mr. Wm. Seivwright, 22 Nithsdale Road, Glasgow, S.I, with a fee of 2s. 6d.

Topical Reflections

By Xrayser

Fifty-sight Years

in pharmacy—and crowded years; congratulations to Sir Thomas Robinson (p. 247). Sir Thomas entered pharmacy in 1879; he has seen it develop, if that is the right word, from the ethical to the commercial, from a calling in which dispensing was the chief work to one in which many side-lines have gradually made their appearance. When I entered pharmacy there were practically no side-lines. We did, however, show tooth-brushes and had a good stock of other brushes as well, for which satisfactory prices were obtained. "Carriage" customers were frequent in those days, and it was no uncommon experience to take out a tray of tooth-brushes to a customer for her to make a choice. We made and sold a tooth-paste and stocked one or two proprietary pastes as well. Cold cream was the only face and skin "beautifier" we kept; it was my job to make it and run it into half- and one-ounce thick covered pots. member the coming of the roll film; before that I had been using a half-plate stand camera. Sir Thomas speaks of the smaller stocks kept by pharmacists to-day compared with those of fifty years or so ago. That is partly due to the large increase in the number of representatives, to say nothing of the growth of transport services. When a pharmacist saw a sundries traveller only twice a year he usually laid in enough stock to last him till the traveller's next visit. The weakness of pharmacy is that it is regarded as a luxury calling and no provision is made for it in the weekly budget of the average householder. Good profit margins are therefore essential.

"A Criticism of Pharmaceutical Matters"

is a fitting corollary (p. 257) to "Pharmacy and the State" upon which I commented last week. It is written by one of our younger councillors and presumably has been inspired by his short experience on the Council. I agree with him that our losses in personnel of the older type have been serious, and that it will not be easy to secure men of the right stamp to carry on the increasingly onerous and difficult work which lies before the Council. It is a feature of democratic control that it tends to produce officials of the dictator type. Finding themselves in a position of influence and great responsibility, they must,

one supposes, either rule or be at the mercy of the members of their Executive who do not necessarily know what they want. As pointed out by your contributor there is undoubtedly a tendency, very evident at the last branch representatives' meeting, to relegate to the Council of the Society many matters which, since the Jenkin case, are quite outside their province. The discussion, for instance, at Liverpool on the Sunday closing of pharmacies was, in my view, quite ultra vives; the time spent on this could well have been devoted to matters of relatively greater importance. What would have happened, for instance, to N.H.I. dispensing if it had remained under the control of the Council one hesitates to imagine. There are, certainly, those who think that the National Pharmaceutical Union might have done better in this respect than it has done; but that it was the right body to take over this and other work practically affecting the pharmacist there can be no shadow of doubt. I do not agree that important matters affecting pharmacy should be relegated to a Committee of Inquiry.

The Value

of an assistant's service (p. 265) usually depends upon what salary his employer can afford to give him, and to a great extent this again depends upon the type of business done. I gather that the business visualised by "Salarite," although frequently to be found, cannot be taken as typical of pharmacy at the present time. It is true that in many cases N.H.I. dispensing is the only kind in evidence and that the only script dispensed is that written by the panel doctor. I must dissent, however, from the assumption that the majority of counter sales are not greater than an average of 6d. One has only to analyse the prices of the vast number of specialities of the medicinal type sold to-day to realise that the average price is much higher, and that even in poor districts prices are obtainable far in excess of this. Is it not also a reflection upon a pharmacist when his average is not greater than 6d.? Does he never try to sell something of a higher value? I cannot always agree with the methods of high-powered salesmen in any calling; but that the average pharmacist, with his knowledge of his customer and his prestige, cannot sell his customer something he was not aware he required till it was suggested to him I have yet to be convinced.

Confectionery Exhibition

THE tenth annual Chocolate and Confectionery Exhibition, which opened on September 1 and closes on September 9, has a twofold interest. Not only is it an assemblage of the latest developments in confectionery, but it is also the first exhibition held in the reconstructed Earl's Court, London, S.W.1, a group of buildings costing £1,5co,000 and easily accessible from the station of the same name. Those whose memory takes them back to the days of the pre-war Earl's Court, with its gardens and the Great Wheel, will find, on entering the new premises, manifest improvements making for comfort and efficiency. An escalator takes the visitor to the first floor, where the present exhibition is being held; the lighting (chiefly from the ceiling) is agreeably uniform; there is thermostatic control of temperature; and whereas last year, in another venue, the stands were distributed over three floors, they are now on one, with comfortably wide gangways. Before we turn to those of the exhibits in which our readers are interested, we may note that the Exhibition is organised by the Manufacturing Confectioners' Alliance, Inc., which reports a turnover of United Kingdom retailers in the trade amounting to over £55,000,000 per annum, and exports during the past year valued at £1,396,500.

For Pharmaceutical Visitors

The industry chiefly attractive to the pharmaceutical visitor is that of essence and flavouring manufacture, with shop fittings as a good second. W. J. Bush & Co., Ltd., are displaying essential oils, floral ottos, vanillin and a wide range of fruit flavours, including some new ones. They have also of view a cinematograph film showing the production of "W. J. B." peppermint oil. Cooke, Tweedale & Lindsay, Ltd., have an exhibit comprising colours (solid and liquid) which comply with the Ministry of Health Regulations,

essences (among which may be mentioned Vanillot, a concentrated vanilla essence) and essential oils. Corn Products Co., LTD., are well-known manufacturers of glucose, which with its products they are showing at a "garden" stand. A. DE ST. DALMAS & Co., LTD., have a good display in which, as is natural, Klingfast self-adhesive tapes and Dalmath tapeaffixing machine are prominent, though not to the exclusion of the medical and surgical side of their activities. Their first-aid requisites include Plastosol and Burnojel. Dudley & Co., LTD., have a comprehensive selection of shop fittings, with special reference to the needs of confectioners. Johnson & JORGENSEN FLINT GLASS, LTD., show an extensive variety of glassware, largely under such brand names as Ravenhead, Sherdley and Trident. J. C. King, Ltd., have an attractive range of counter display screens, which can be supplied in any desired length and are provided with chromium-plated metal supports. This type of fitting is divided into an upper and a lower section, facilitating quick service. Polak & Schwarz (England), Ltd., are making a special feature of some new flavours, the particulars of which their representatives from various areas, including Scotland, are ready to explain. Their usual essences are also on view. Stevenson & Howell, Ltd., give prominence to their Red Ball brand products among many other items, and mention that their essences and essential oils were awarded a prize and a gold medal at the Brussels International Exhibition of 1935. Union Glue & Gelatine Co., Ltd., have a useful display of gelatins (testing waterwhite), and call attention to the research done in their own laboratories and those of the French companies whose products they handle. Another substance exhibited by them is gum acacia (B.F.E. brand). It may be added that cutting and wrapping machinery are strongly represented, and that the distribution of "courtesy gifts" to trade buyers is forbidden, although samples may be tasted "on" the stands.

Legal Reports

Pharmacy and Poisons Act, 1933.—At Swansea Police Court, on August 26, Etty Louisa Isaac, Llansamlet Drug Stores, was summoned for offences in connexion with the sale of pills containing colchicine. She was fined 20s. on the first summons, and ordered to pay costs, analyst's fee and advocate's fee. The other summonses were dismissed on payment of costs. It was stated for the defence that a week prior to the inspector's visit someone had called on behalf of an old gentleman suffering from rheumatism. Because she was not allowed to have the pills or any other articles containing poison in stock she had telephoned her husband's pharmacy in Morriston, arranging for the delivery of the pills. Unfortunately delivery of the pills had been delayed for two days. When the boy delivered them he was told that the customer had bought the pills elsewhere, and the pills were taken back to Mrs. Isaac's shop instead of her husband's.

At Doncaster Police Court, on August 24, George Gledhill, Barnby Dun, was fined £5 for illegally using the title "druggist." The defence was that the labels bearing the word had been supplied by a wholesaler, who should have warned the defendant.

At Doncaster Borough Court, on August 23, Mrs. Winifred Douthwaite, Cemetery Road, was proceeded against by the Pharmaceutical Society for selling poison in a container not properly labelled, selling it on premises not duly registered, and selling it contrary to the provisions of the Pharmacy and Poisons Act. Mr. S. McManus, for the prosecution, said that the defendant carried on a drug store and had no pharmaceutical qualifications. She had sold a bottle of syrup which contained codeine. Mrs. Douthwaite said that she was unaware that the syrup contained poison. She had not read the formula. The chairman said that wholesalers should not be allowed to sell these things to small shopkeepers. The defendant had committed an offence, but she would be let off on payment of costs.—At the same court Mrs. Agnes Howes, Hexthorpe Road, was summoned for unlawfully using the

name "pharmacy" in connexion with her business. She pleaded "Guilty," and the case was dismissed on payment of costs. Mr. S. McManus prosecuted.

At Ripley (Derbyshire) Police Court, on August 30, D. Wilkinson & Sons, The Herbal Stores, Oxford Street, were summoned for unlawfully using in connexion with their business the word "pharmacy." Mr. D. Wilkinson appeared and pleaded "Not guilty." Mr. A. C. Castle, on behalf of the Pharmaceutical Society, said that there were a number of tradesmen carrying on business who were not chemists but whose shops were made to look like chemists' shops. On June 25 an inspector noticed in the window of the defendant's shop a hanging glass sign bearing the inscription "The Herbal Charmacy." He added that at a first glance the words "Herbal Charmacy "looked like "Herbal Pharmacy," the letters being in Old English. Mr. Wilkinson, for the defence, produced the glass sign and submitted that the words were quite clear. He added that his firm never represented themselves as chemists but as "specialists." The Bench imposed a fine of £1 6s. 8d., including costs, and ordered the defendants to pay £2 2s. advocate's fee.

Gazette

Partnership Dissolved

CORBETT, R. H. S., and CORBETT, Pearl P. E. C., Cross Lanes, Wrexham, manufacturers of toilet preparations under the style of Smoo Manufacturing Co. Debts due and owing to or by the late firm will be respectively received and paid by the Smoo Manufacturing Co., Ltd.

DIET IN TERMS OF ENERGY.—" The Japanese live on a well-chosen diet, which contains no more than a third of the energy which the Nutrition Committee of the British Medical Association has declared is needed by us, a figure put, in my opinion, at least one-third too high when a properly chosen diet is eaten."—Sir Leonard Hill at Brighton, August 31.

Company News

P.C. means Private Company and R.O. Registered Office

W. E. Marlow, Ltd. (P.C.).—Capital £500. Objects: To carry on the business of chemists, druggists, etc. William E. Marlow, 36 Vicarage Lane, Belgrave, Leicester, director.

D. I. Spenser's Chemists, Ltd. (P.C.).—Capital £10,000. Objects: To carry on the business of manufacturing chemists, herbalists and drug merchants and dealers, etc. Norman Macdonald, 97 Southfields Drive, Leicester, chemist, director.

Lanvin Parfums (P.C.).—Capital £1,000. Objects: To carry on the business of purchasers and sellers of essences, lotions, oils, soaps, cosmetics, etc. The first directors are to be appointed. Secretary: J. A. Steemson, 19 Kyrle Road, S.W.II.

E. G. FOLEY & SONS, LTD. (P.C.).—Capital £2,000. Objects: To carry on the business of manufacturers of and dealers in scientific, surgical, medical and optical glassware, china, pottery and earthenware, etc. R.O.: 9/10 Stock Orchard Street, Caledonian Road, London, N.7.

London Manufacturing Chemists, Ltd. (P.C.).—Capital f100. Objects: To carry on the business of manufacturers of and dealers in medical, pharmaceutical and chemical preparations, etc. The first directors are not named. Solicitors: P. H. Braisher & Co., 9 and 11 Copthall Avenue, E.C.2.

Carmac Laboratories, Ltd. (P.C.).—Capital £3,000. Objects: To carry on the business of manufacturing, pharmaceutical and general chemists, herbalists, etc. Harold Barkas-Carlile, 8 Ormond Drive, Hampton, Middlesex, director. R.O.: 163 High Street, Hampton Hill, Middlesex.

VETERINARY & AGRICULTURAL SUPPLIES, LTD. (P.C.).—Capital froo. Objects: To carry on the business of manufacturers and sellers of veterinary and agricultural products, chemists, druggists, etc. Donald H. Macgilp, Risby, Sanderstead Road, South Croydon, director. R.O.: 35 Little Roke Avenue, Wembley.

Passburg Engineering Co., Ltd. (P.C.).—Capital £1,000. Objects: To carry on the business of chemical engineers, makers of chemical plant and materials, laboratory proprietors, metallurgists and engineers, etc. Hugh Griffiths, The Laurels, Upton Road, Bexley, Kent, chemical engineer, director. R.O.: 20 Grosvenor Gardens, S.W.I.

Goodwill Seaweed Products, Ltd. (P.C.).—Capital £2,000. Objects: To acquire the business of Goodwill Seaweed. Products heretofore carried on by Chas. E. Goodwill at St. Sepulchre Street, Scarborough, and to carry on the business of manufacturers of and dealers in products of all kinds made wholly or partly of or extracted from seaweed, medicines, ointments, lotions, etc.

Boots Pure Drug Co., Ltd.—A further quarterly dividend of 6 per cent., less tax, on the ordinary capital is announced.

SOUTH AFRICAN DRUGGISTS, LTD.—The directors announce that the company has acquired the business of Heynes Mathew, Ltd., of Capetown.

Genatosan, Ltd.—Final dividend of 20 per cent. declared on ordinary shares, making a total dividend of 35 per cent. for the year ended June 30, 1937.

GREEFF CHEMICAL HOLDINGS, LTD.—Dividend at the rate of $5\frac{1}{2}$ per cent. declared on the $5\frac{1}{2}$ per cent. preference stock for the period April 1 to September 30, 1937.

Bankruptcy Report

Re Idris Thomas, 3 Talbot Street, Maesteg, druggist. This debtor's public examination herein was held recently at the County Court, Bridgend, when it was reported that the gross liabilities were £1,133, of which £677 was expected to rank for dividend. There was a deficiency of £671. Debtor said that he opened the druggist's business at Talbot Street in 1929, renting the premises at £26 a quarter. He had no cash capital then, but possessed certain property. The takings, however, declined owing to local trade depression and customers removing from the district. When one creditor issued a writ, debtor filed his petition. The examination was closed.

Stock Exchange Prices

5			
£1 shares unless otherwise stated	Dec. 31, 1936	July 30, 1937	Aug. 31,
	s. d.	s. d.	s. d.
Allen & Hanburys, 7% Prefd. Ord Amalg. Dental Co., 8% Prefd. Ord Deferred £1	26 3 27 6 18 6	26 3 28 6 17 9	26 3 28 0 18 0
Aspro, Ltd Ayrton, Saunders & Co., $7\frac{1}{2}\%$ Pref Beechams Pills, Deferred 5s. shares	18 9 25 0 63 0	18 9 24 0 69 6	18 6 24 0 67 0
Benger's Food, Ord Benzol & By-Products cum. part. Pref Berger (Lewis) & Sons, Ord	38 0 6 3 73 1½	$\frac{36}{12}$ $\frac{6}{12}$	38 0 11 6 66 3
Blundell Spence & Co Boake (A.), Roberts & Co., 5% Pref	22 0 22 0 60 0	$ \begin{array}{c cccc} & 16 & 10\frac{1}{2} \\ & 21 & 3 \\ & 52 & 3 \end{array} $	17 0 22 0 53 6
Boots Pure Drug, Ord. 5s. shares Boots Pure Drug, 7% "A" Prefd. Ord Boots Cash Chemists (S.), 6% "A" Prefd. Borax Consold., Dfd. Ord	33 3 29 0 35 6	33 0 29 0 30 9	32 9 28 9 32 3
Bovril, Ord	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	28 6 22 6 2 10½	$\begin{bmatrix} 29 & 3 \\ 23 & 6 \end{bmatrix}$
British Drug Houses, The, Ord		23 O 8 O	23 3 8 1½ 47 3
British Oxygen, Ord British Photo. Indus., 6% Cum. Pref Burt. Boulton & Haywood, Ord	120 0 4 0 24 9	101 9 3 6 21 3	103 6 3 6 22 3
Bush (W. J.) & Co., 5% Pref. £5 Callard, Stewart & Watt, Ord Cooper, McDougall & Robertson, Ord	110 0 12 0 37 0	9 3	108 9 6 3 38 3
Crosfield (Joseph) & Sons, 6½% Pref. Dubarry Perfumery, Ord. 1s. 7½% Pref. Eno Propriet'y, Ord. 5s.	28 9 3 4½ 26 3 8 10½	23 6	30 0 I 7½ 23 6 8 0
Evans Sons Lescher & Webb, Ord. 6s. 8d. shares	5 3	5 2 1/4	5 9
Field (J. C. & J.), Ord Galloway (P.H.), Ord. 2s	8 3 27 6 3 6 26 6	7 9 26 3 3 0 27 13	8 6 27 3 3 3
", 7½% Cum. Pref Genatosan, Ltd., rs	6 4½ 29 0 11 9	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	6 6 30 3
", Ord. 5s Griffiths Hughes (Kruschen), Ord Grout & Co., Ord Hodders, Ord. Is	9 6 47 6 19 6 0 10	7 1½ 27 3 18 3 0 9	26 3 18 6
,, 6% Pref	28 9 26 9	28 3 25 6	28 6 25 6
Imperial Chemical, 7% Pref Ord Intern. Sponge Importers, 6% Pref	35 0 41 6 8 9	33 3 39 3 8 0	34 0 37 9 8 0
Kent (G. B.) & Sons, 5½% Pref Knight (John), 25% Prefd. Ord Laporte (B.) & Co., Ltd., Ord Lever Bros., Ltd., 7% Pref	2 6 107 6 123 9 33 6	3 0 101 3 105 0 31 6	3 0 100 0 108 9 31 9
,, ,, 8% Pref ,, 20% Prefd. Ord. 5s Lewis & Burrows, Ord	34 9	33 9 20 3 23 9	33 9 20 6 24 6
6% Pref Liebig's Ext. of Meat ,Ord, £5 Macleans 6% Red. Pref	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	2I 3 £16 23 6	21 3 £155 24 3
Mellin's Food, 6% Pref Nathan, J. (Glaxo), 7% Pref 8% Prefd. 10s	2 6 25 7 13 6	13 0	1 6 24 6 13 6
, , , Ord. 1s	7 9 £110 115 0 28 6	7 9 £110 105 0 26 3	7 9 £110 105 6
Sangers, Ord. 5s	32 0 30 0 10 9	26 3 31 0 29 3 11 0	24 9 31 0 30 0 11 9
Spratt's Patent, Ord Stevenson & Howell, 6¼% Cum. Pref United Glass Bottle Man., Ord	67 0 27 0 50 6	59 0 25 6 53 6	58 o 25 6 53 9
Veno Drug Co., 8% Pref Virol, Ltd., Ord	27 9 28 9 25 6	25 9 29 0 24 3	27 0 29 0 25 0
White (A. J.), Ltd., Ord. 10s White (Timothy) & Taylors, 7½% Pref Ord. 5s	21 6 31 9 34 6	20 0 31 9 36 0	20 3 32 0 34 3
Woodlands Chemists, Ord. 5s Wright, Layman & Umney (1932), 7% cum. Pref	I 6	1 0 23 0	1 0 24 0
	A.		

Expectation of Life

By a Barrister

HE passing of the Law Reform (Miscellaneous Provisions)
Act, 1934, marks the beginning of a new chapter
in the law affecting civil liability for negligent acts
causing the death of a person. But many problems have been
brought in its train. One of these problems raises the question as to whether the personal representative of a person whose death has been caused through the negligence of another can recover from the delinquent damages in respect of the shortening of the expectation of life of the deceased. In an important judgment (Rose v. Ford) which the House of Lords has recently delivered this problem may be regarded as having been solved in favour of the deceased's personal representative, though certain points may be viewed as still being open on the question as to the principles on which the damages are to

be assessed in such cases.

Until comparatively recent times, two well-established rules of law have governed the question of liability itself. According to the first rule, the right of action which may be vested in a person in respect of damage suffered by him in consequence of the tortious (e.g., negligent) acts of a third person does not pass to his personal representative on his death. If therefore he has not recovered the damages in his lifetime, they goes—moritur cum persona. A relaxation of this rule, though to a limited extent, was introduced by Lord Campbell's Act, under which the dependants of the injured person were entitled on his death to recover damages for the pecuniary injury they had suffered by reason of the death of their relative; but this Act fell far short of giving to the deceased's dependants or his estate the same cause of action and the same rights which were vested in the deceased in his lifetime. A further exception to the common law maxim of actio personalis was introduced by the Law Reform (Miscellaneous Provisions) Act, 1934, which was intended to sweep away the injustice of the existing law.

The second rule of law was to the effect that no right of action could vest in one person in respect of the death of Except in so far as this rule may be regarded as having been qualified by the exception created by Lord Campbell's Act, it still exists in the law, and it still produces its anomalies. Thus while a master may recover damages from a third person in respect of the loss of the services of his servant, consequent upon injuries sustained by the servant as a result of the third person's negligence, no cause of action at all vests in him when the tortious acts of the third person cause the

instant death of the servant.

Damages for Third-Party Negligence

Let us now consider the question (which is unconnected with either of these two principles) as to whether a person is entitled to recover damages in respect of the shortening of his usual expectation of life, where such a state of affairs has been produced by the negligence of a third person. This problem was crystallised in the recent case of Flint v. Lovell (1935, I K.B. 354), and it was there finally decided, after some difference of judicial opinion, that this was an item of damage in respect of which a claim would lie.

But the further question arises as to how the damages are to be calculated in respect of the shortening of the expectation of life. One view was that it was necessary to consider for this purpose the mental anxiety of the injured person. But this purpose the mental anxiety of the injured person. But this view was not accepted by the Court of Appeal in Rose v. Ford (1936, I K.B. 90). In their opinion, the foundation of the claim for the shortening of the expectation of life was not the mental suffering caused to the injured person in consequence. It was a loss which had to be calculated, accordingly, "objectively" in the same way as any other loss, such as the loss of a finger or of a limb. This must be regarded as being the law on this point, as the authorities held, since the being the law on this point, as the authorities held, since the House of Lords did not express any opinion in Rose v. Ford as to the manner in which the compensation was to be measured.

We are now in a better position to consider the main and substantial point as to whether the claim which an injured person is entitled to make in respect of the shortening of his life will pass to his personal representative on his death for

the benefit of his estate. Here, again, there has been a considerable conflict of judicial opinion, but the matter must now be regarded as having been set at rest by the House of Lords, who have decided that the right to recover damages with respect of the shortening of the expectation of life will pass to the injured person's personal representative on his death, by virtue of the Law Reform (Miscellaneous Provisions) Act, 1934. Under that Act the deceased's cause of action vests in his personal representative on his death, and accordingly all items of damage recoverable by him in respect of the cause of action (which, it should be carefully noted, is the negligence or other wrongful act, and not the death produced thereby), are equally recoverable for the benefit of the estate by his personal representative, in whom the cause of action becomes vested by reason of its survival.

This decision in no way conflicts with the rule that a person may not complain in a civil court of the death of another, for, as Lord Atkin pointed out, there is a substantial distinction between damages awarded to the living because life is shortened and damages to a third person because of some other person's death. "I am of opinion," he added, "that a living person can claim damages for loss of expectation of life. If he can, I think that right is vested in him in life, and on his death. under the Law Reform (Miscellaneous Provisions) Act, 1934, passes to his personal representative. I do not see any reason why the fact that the expectation is realised, that is, that death comes at the time anticipated or sooner, should make any

difference.

But the problem as to how the damages are to be measured still awaits determination by the House of Lords, if the occasion should arise. To quote again from Lord Atkin's judgment: "It does not seem necessary to say that a man has a personal right in the nature of property in his life, so that when it is diminished he loses something in the nature of valuable property. I do not say that this is not so, but I am satisfied that the injured person is damnified by having cut short the period during which he had a normal expectation of enjoying life, and that the loss is capable of being estimated in terms of money and that the calculation should be made. . . How the damages are to be calculated is a question which this House has not to decide. . . . Whether the rich man's life bears greater potentialities of pleasurable enjoyment than the poor man's, and what considerations should be given to physical weaknesses other than those caused by the accident and not affecting the duration of life, I prefer to consider when, if ever, the points are raised."

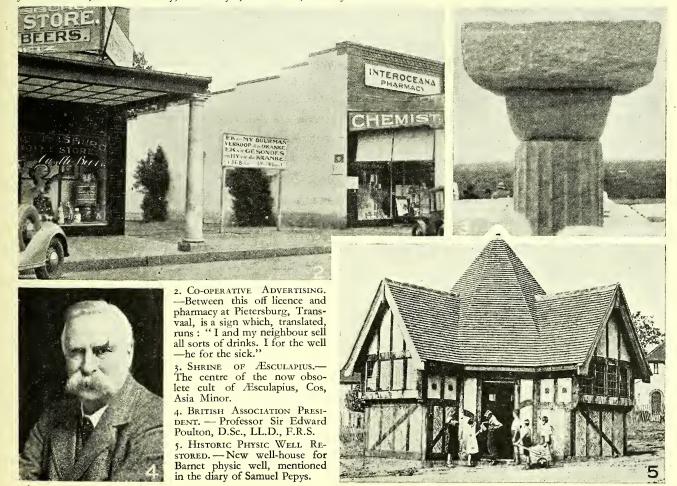
New Books

Lyons, C. G., M.A., Ph.D.—Theoretical Pharmaceutical Chemistry. 7½ in. by 5 in. Pp. 500. Illustrated. 12s. 6d. Sir Isaac Pitman & Sons, Ltd., Parker Street, Kingsway, London, W.C.2. [The author has succeeded in compressing into this volume the essential principles of physical, inorganic and organic chemistry, and in so doing will earn the gratitude of pharmaceutical students for whom the work is intended. There are four sections: (1) Theoretical and physical chemistry; (2) control of purity of official pharmaceutical substances; (3) inorganic chemistry; (4) organic chemistry.]

Lake, N. C.—The Foot.—12s. 6d. Baillière, Tindall & Cox, 7/8 Henrietta Street, London, W.C.2. [Although primarily intended for medical men, this book will be of assistance to chemists practising chiropody. The greater portion deals with diseases of the feet and their treatment, with some concluding notes on manipulations and operations. The author indicates notes on manipulations and operations. The author indicates in the chapter on evolution that the trend of the foot is towards a rigid structure with movements only at the ankle and toe joints. There is a penetrating analysis on the effect of different types of footwear on the human foot. An over-crowded medical curriculum is blamed for the insufficient attention given in the past to complaints of foot disorders. Dr. Lake is senior surgeon at Charing Cross Hospital.]



I. IRISH PHARMACISTS AND FRIENDS AT LOURDES, FRANCE.—Front Row (left to right): Mr. T. Burke; the Misses P. McHenry, Mulligan, Heffernan, J. Lawson, M. Kieran, and Hilda Kerr; Mr. John Kerr. Second Row (left to right): Mr. James J. Kerr, Mrs. Kerr, Mrs. McKane, Mr. P. Fullam, Miss Feiertag, Mrs. Lawson, Mr. Molony.
J. A. O'Rourke, Messrs. P. Hanly, T. O'Dwyer, A. McKane, and P. J. O'Hanlon.



Pharmaceutical Society of Great Britain

Council Meeting

DISSATISFACTION at the results of the examinations led to considerable discussion at the monthly meeting of the Council held at 16 Bloomsbury Square, London, W.C.1, on September 1, the president (Mr. Thomas Marns) in the chair.

Tuesday's Proceedings

Among the business transacted by Council on August 31 was the following:-

A letter was received from the secretary of the Eastbourne Pharmacists' Association stating that the Association views with concern the dearth of pharmacists, and is of the opinion that the remuneration of the pharmacist is insufficient to attract the right type of youth. The Association urged the Council to promote at the earliest opportunity a Bill to secure for the pharmacist the dispensing of medicines and to define the business of a chemist and druggist. The letter was received, and the secretary was instructed to inform the Associa-tion that the Education Committee had under consideration the question of the fall in the number of apprentices and that, arising from the representatives' meeting at the Conference, the machinery was being set up to consider the various matters involved in the preparation of the Pharmacy Bill.

In accordance with the by-laws the secretary reported the vacancy on the Council caused by the death of Mr. H. M.

Lloyd. It was unanimously resolved to co-opt Mr. Knox Mawer of Wrexham to fill the vacancy.

The president reported that he received from the Home Office information pharmacist, the withdrawal of whose authorisation to possess dangerous drugs had been suspended, had now been found to be taking these drugs. In the circumstances he had informed the Home Secretary that he concurred in the withdrawal of the suspension of the authorisa-The Council approved the action taken by the president.

The Council considered the draft amendments proposed to be made to the Poisons Rules and decided they had no com-ments to offer. Mr. Wallis said



MR. G. R. KNOX MAWER

that the opportunity should be taken to make it clear to members that where local authorities did not supply carbon copies of prescriptions for their health services there was an obligation upon pharmacists to copy in their prescription-books prescriptions for medicines coming within the First Schedule issued for the purpose by such services.

Apologies for Absence

THE PRESIDENT, at the outset of the meeting on September 1, read apologies for absence from Mr. Skinner and Mr. Peck. Mr. Skinner, he said, had sent a message from Quebec and had pointed out that it was the first time he had been absent from the Council meeting in twenty-one years. Mr. Peck had not been absent before since he first became a member of the Council in 1922.

DEATH

THE PRESIDENT referred to the death of Mr. H. M. Lloyd, a member of the Council, and a resolution of regret was carried by the members standing in silence.

REGISTRATION ITEMS

Fifty-eight persons were elected student-associates. Nineteen persons were restored to the Registers of Pharmaceutical Chemists and Chemists and Druggists, and the registrar reported that 103 persons had been restored to the Registers since the last meeting. The registrar was authorised to remove from the Registers two names of persons who had not paid their subscriptions. The registrar reported that fifty-eight persons had been registered as apprentices or students.

Robert Kerr Gordon, formerly of Belfast, now of Ramsgate, and Glen Nevis Ivy Cameron, formerly of Brisbane, now c/o Queensland National Bank, London, E.C.2, were registered as chemists and druggists under Section 4 (b) of the Poisons and Pharmacy Act, 1908.

REPORT OF GOVERNMENT VISITOR

The report of the Government visitor at the London examinations of the Society (Sir William Willcox) included the following

I attended on twelve occasions the examinations held by the London Board of Examiners of the Pharmaceutical Society of Great Britain during the months of April, July and October 1936 and

January 1937. . . . Preliminary Scientific Examination.—. . . It will be observed that the percentage of passes in the whole examination is very low (22.33). This denotes a lack of adequate preparation in the case of the majority of the candidates. For an examination of this type there should be a higher percentage of passes, and candidates should there should be a higher percentage of passes, and candidates should not be signed up for entry without a reasonable chance of passing the whole examination. In my last report attention was called to the very high percentage of failures in botany. During the past year the failures in botany attain a still higher figure. This unsatisfactory state of affairs calls for a special inquiry in order to ensure that the teaching in botany is such that candidates are better prepared to satisfy the examiners in this important subject. The practical examination in physics was well arranged, a wide variety of well-chosen experiments being given.

Qualifying Examination... . It will be observed that the percentage of rejections in pharmaceutics is high. This is from the

Qualifying Examination.—. . . It will be observed that the per-centage of rejections in pharmaceutics is high. This is from the practical point of view of the protection of the public the most important of the subjects in this examination. . . . The examination in this subject was extremely fair, and the examiners rightly de-manded a thorough and satisfactory standard of efficiency. The ex-amination in all the subjects was extremely well arranged, and the candidates showed that they had been through a satisfactory course of instruction before entering for the examination. In the new sub-

candidates showed that they had been through a satisfactory course of instruction before entering for the examination. In the new subject physiology the written papers were on the whole satisfactory. Pharmaceutical Chemist Qualifying Examination.—... The high number of candidates who have entered for the higher examination is a satisfactory sign of the attraction of pharmacy as a professional career. The candidates entering for the Pharmaceutical Chemist examination displayed keenness and interest in their work and gave evidence of a thorough course of training and practical experience. evidence of a thorough course of training and practical experience.

MR. PARRY said the results of the examiners should be given out sooner than at present, or some account should be taken as to why the results of the examinations in Edinburgh could be announced so much earlier than those in London. He had had the misfortune to engage a man who seemed sure to get through but failed, and it was difficult to find a man who had been successful.

MR. Wells asked what was the usual time one had to wait. The President replied that it depended on the number of

The Secretary said there were a larger number of candidates in London, and the sending out of the results usually took place about three days after they were received from the examiners. It was recognised as a rush job. If they were to be kept in step with the Edinburgh results the only way it could be done would be by holding up those results. Edinburgh could always get their results out before London because they had smaller numbers and they had always had their examiners on the spot.

Mr. Hirst said the number of candidates in Edinburgh was not much less this time than in London, and the number of successes was above that for London. Therefore the explanasuccesses was above that for London. Therefore the explanation given by the secretary did not account for the matter. He went on to say that the reason given for the number of failures in London last quarter was the number who were referred or had failed and were being re-examined. The same excuse could hardly be accepted this time.

THE SECRETARY said the July examination was entirely different from the others held during the year. The number of passes was a matter for very serious consideration, as this time they had fresh candidates in each centre.

Mr. Jack said that in Edinburgh referred men were examined first, and suggested that the same procedure should

be adopted in London.

THE PRESIDENT said there were border-line cases which were considered by a committee of which he was the acting chairman, and everything was done that could be done in the light of the full information then available. If these men came within the tall infinitation then available. If the category of referred or failures Mr. Jack's proposition would be easy; but if they were border-line candidates they could only be taken at the time when all information was available. This only arose really after one examination.

Mr. McNeal asked what period elapsed between the closing

of the examinations in Edinburgh and London, and the publi-

cation of the results.

At this stage the Council decided to continue the discussion

in committee.

THE PRESIDENT afterwards made a statement on the subject in public. He said the discussion had been very interesting, and he agreed that there was scope for an examination of During the the differences between the two examinations. past two years he had attended in London, and the more he had seen of them the more he had been convinced that they were a fair test. He had not had an opportunity of attending the examinations in Edinburgh, but he proposed to do so as early as possible and would compare in his own mind what went on there with what he knew of London. He would then give the Council his opinion, and if necessary set up some small committee to go into the whole matter.

BRITISH PHARMACEUTICAL CONFERENCE

Three resolutions of thanks in connexion with the British Pharmaceutical Conference at Liverpool were cordially The first resolution thanked the Lord Mayor and approved. the Corporation of Liverpool for the hospitality and for the welcome extended to the British Pharmaceutical Conference by the city; the second recorded thanks to the Acting Vice-Chancellor and the Council of the University of Liverpool for the welcome and reception given; and the third expressed the appreciation of the energy which had been expended by the Local Committee.

SCHOLARSHIPS EXAMINATION

The report on the scholarships examination, 1937, submitted by the president, contained the following awards:—

Jacob Bell Memorial Scholarship .- Thomas Eric Barker,

Liverpool.

Leverhulme Scholarships. — Garfield Emmanuel Vivian Rowe, Penzance; Cecil Walter Ballard, Hitchin; Alfred Young Downie, Aberdeen.

Manchester Scholarship.—Donald Simmonite, Oldham. Devon and Cornwall Exhibition.—Kenneth William Youings,

Torpoint.

Nottingham University College Studentships.—The registrar of University College, Nottingham, notified the Society that Mr. Ballard was unable to accept the scholarship, and the scholarship had been awarded to the candidate with the next highest number of marks, Leslie W. Willoughby, Daventry. The other winner was Geoffrey Whittle, Alfreton.

THE PRESIDENT said they had been able to award all the scholarships this year, and quite a number of candidates had qualified for them. Last year, it would be recalled, in some cases none of the candidates came up to the qualifications

MR. Rowsell asked if it was a fact that there had been a larger number of entries for the whole of the examinations than usual. He would like to see an effort made in various parts of the country, as had been done in Manchester and Devon and Cornwall, to get together a sum of money which

could be used to found scholarships or exhibitions.

The President said he would like to supplement Mr.

Rowsell's suggestion by asking friends addressing branch meetings to give a little time to an explanation of the scholarships.

MR. PARRY said that as no candidates qualified last year

there should be some money over, and he thought they might provide extra scholarships with such money when there were so many excellent candidates.

EDUCATION COMMITTEE

The report of the Education Committee, presented by MR. Rowsell, stated that the Privy Council had now approved the institution of the degree of Bachelor of Pharmacy by the University of Wales. The Committee recommended that the final examination for the degree be approved for the purpose of Regulation 28.

THE TREASURER raised the question as to whether it was the usual practice to have three people inspecting schools, and expressed doubts as to whether more than two were necessary.

MR. Rowsell, in reply, said he personally agreed with the treasurer's point of view, but there were special reasons why the number of inspectors should be higher in the present instance.

BENEVOLENT FUND

The report of the Benevolent Fund Committee showed that sixteen applications had been considered, and grants made, or now recommended, varied from £13 to £52. Several special contributions were announced.

WAR AUXILIARY BENEVOLENT FUND

The Committee of this fund stated that they had considered four applications, and had either made, or now recommended, grants ranging from £13 to £39.

ESTABLISHMENT COMMITTEE

This Committee stated that they had congratulated Mr. H. Berry on obtaining the Post-graduate Academic Diploma in Bacteriology of the University of London. The Committee received with regret the report that Professor Burn had resigned his appointments with the Society and the University of London to take up the Chair of Pharmacology at Oxford. The following awards were announced:-

Redwood Scholarship.—Miss R. Butterfield.
Rammell Studentship.—To be retained for a further year by the present holder, Mr. G. Brownlee.

Pereira Medal.—Norman Senior, Colne, Lancashire.
Society's Silver Medal.—S. H. Davies, Wolverhampton.
Society's Bronze Medal.—W. Thomas Wing, Wisbech.

A letter had been received from Professor Wasicky stating that he would be unable to come to England in October as promised to deliver the inaugural sessional address. The Committee were happy to learn that Sir Humphry Rolleston had kindly agreed to deliver the address. Mr. Berry had previously intimated that he desired to be relieved of his promiseto give an evening meeting lecture in February, and the Committee have arranged that Professor Wasicky should fill his place.

The Committee received a report from Mr. Rowse regarding

the Society's new premises.

FINANCE COMMITTEE

The financial statement showed that receipts since the last meeting, including a balance of £1,459 6s. 7d., amounted to £18,007 7s. 7d., comprising the following items:—Members' fees, £589 11s. 6d.; premises fees, £242 11s.; subscriptions, £18 18s.; College—School of Pharmacy, £61 5s. 8d.; College—Pharmacological Laboratories, £557 14s. 6d.; College—Grant from University, £162 10s.; College—Grant from Royal Society, £30; registration fees, £151 4s.; restoration fees, £118 2s. 6d.; examination fees, £534 18s.; Law—penalties and expenses, £152 12s. 1d.; Law—fees from local authorities, £196 5s.; Law—costs recovered re "Mellifont," £49 6s. 11d.; "Pharmaceutical Journal," £2,566 10s. 8d.; Pharmaceutical Press, £1,036 1s. 9d.; rentals, £481 12s. 6d.; deposit interest, £107 14s. 1d.; FS.S.U. contributions, £78 13s. 9d.; sale of library books, £2 6s. 9d.; telephone refunds, £1 17s. 4d.; transferred from deposit account, £9,400; sundries, £8 5s. Payments ordered at the last meeting amounted to £18,005 13s. 8d., leaving a balance of £1 13s. 11d. The balances on the other accounts were: Benevolent Fund The financial statement showed that receipts since the last. The balances on the other accounts were: Benevolent Fund (current account), £18 12s. 6d.; Benevolent Fund (donation account), £24 1s. 3d.; War Auxiliary Benevolent Fund, £40 11s. 6d.; Hills Orphan Fund, £15 14s. 9d.; Orphan Fund, 9s. 1d. The action of the secretary in making payments amounting to £360 consoled was expected. ing to £3,694 cs. $4\frac{1}{2}$ d. was approved.

LAW COMMITTEE

The report of the Law Committee, presented by Mr. Jack, showed that in England, Scotland and Wales, 1,803 chemists' shops, 96 listed sellers and 71 drug store proprietors, grocers: and similar traders had been visited by the Society's inspectors: during the past month. It also showed that 487 drug stores and other premises had been visited by the Society's agents during the same month.

Trade Notes

EVANS LESCHER PRODUCTS.—Liverpool Virus, for the scientific extermination of rats and mice, is now packed in con-



widevenient mouthed glass pots, which are illustrated o n this page. Each is issued pot distinctive, in coloured cartons of two sizes—for mice and rats and mice. Liverpool Virus is a product of Evans, Sons, Lescher & Webb, Hanover Ltd., Street, Liverpool.—We have

received from Evans' Biological Institute, Runcorn, a copy of their brochure on the common cold, and its treatment by vaccine therapy. This vaccine is issued in I c.c. ampoules, in boxes of three ampoules containing No. 3 vaccine prophylaxis, also in boxes of six I c.c. ampoules, No. I vaccine for treatment and in 5 c.c., Io c.c., and 25 c.c. rubber-capped bottles. A special advantage of Evans' "Common Cold and Anti-Catarrh Vaccine" is that it is prepared from primary growths of local strains from specimens collected in the district in which the vaccine is used. This distinguishes it from the ordinary stock vaccine. Pharmacists who are interested will receive a specimen of this brochure on application.—In view of the heavy increase in the cost of ephedrine, list prices of all ephedrine products have been increased.

Dubarry Christmas Catalogue.—We have received from the Dubarry Perfumery Co., Ltd., Hove, an advance copy of their new Christmas catalogue, illustrated in colours. The distribution of this list will be made to the trade towards the end of September. Chemists who wish to have their copy earlier may obtain one on application.

Adhesive plaster.—Illustrated on this page are the new moulded containers issued by A. de St. Dalmas & Co., Ltd., Junior Street, Leicester. These plasters are wound on bakelite



rolls which enable the plaster to be readily applied. The following sizes are illustrated: 1 yard by $\frac{1}{2}$ in, and 1 in, and $2\frac{1}{2}$ yards by $\frac{1}{2}$ in, and 1 in, respectively. The box itself can be used for display.

Hanky puffs.—N. & F. Kahn, 11-13 Pentonville Road, London, N.1, who are the sole manufacturers of Furtex and Swantex hanky puffs, advertise their products in this issue. These puffs are issued in silver-covered and gold-covered display boxes of one dozen. Chemists are invited to write for particulars of a free offer of a black and chromium display stand for twelve puffs. Supplies may be obtained through the usual wholesaler.

New shampoo product.—The County Perfumery Co., North Circular Road, London, N.W.10, has just issued a new family

shampoo product, which is described as Brylfoam shampoo. It is packed in a tube, and is ready for immediate use without any premixing. Tubes are packed in cartons, in boxes of twelve, which, it will be noticed from the illustration, are suitable for display purposes. Each tube is sufficient for three shampoos. An explanatory leaflet with each tube gives a



full description of the properties of this product, and details for use.

NEW HINDS PRODUCT.—Lysol, Ltd., London, S.W.10, introduce Hinds Face Powder, which is advertised together with the Hinds Honey and Almond Cream. There are two introductory bonus offers, and full details are given in our advertising pages.

Lunar caustic pencil.—M. J. Fecher, Ltd., 10 Dod Street, London, E.14, direct attention to their new "noshock" Lunar caustic pencil, which presents a nitrate of silver stick set in rubber. This has the advantage of rendering the stick shock-proof and practically unbreakable. The caustic may be readily removed and replaced. The fact that by the use of this pencil breakage can be avoided will be welcomed by both sellers and users. Supplies are obtainable from the usual wholesalers or direct.

Advertising material.—We have just received from The Crookes Laboratories, Gorst Road, Park Royal, N.W.10, a selection of their new season's Crookes' halibut oil advertising matter. A large range of show material is available to chemists, and we are informed that an increase of advertising to promote sales of Crookes' halibut oil will commence next month. A leaflet has been issued giving details of bonus terms in return for counter and window displays. Every qualified chemist in the trade will receive details of this scheme. The



accompanying illustration depicts an arresting, colourful window display directing attention to the various Crookes' halibut oil products. A cut-out game for children based on this showcard is issued in connexion with the scheme. Full details are obtainable on application. One of the showcards refers to the new food product "Halcova," which in addition to being a pleasant food beverage of a popular type has the added value of being rich in vitamins A and D.

Marriages

Barker—Finnerty.—At St. Paul's Church, Royton, on August 23, Harold Barker, M.P.S., 271 Manchester Road, Hollinwood, to Alice Finnerty, Oldham.

COGGINS—HEATH.—At Littleover, on August 24, Lieutenant-Commander E. F. Coggins, R.N., to Eleanor Margaret Heath, daughter of Mr. W. Heath, chemist and druggist, 22 Osmaston Road, Derby.

JOSEPH—FRANCIS.—On August 26, Walter Lionel Joseph, of London and Stratford-on-Avon, to Esmé Lilian, only daughter of Mr. Alan Francis, M.P.S., and grand-daughter of the late Mr. George Bult Francis (of Hearon, Squire & Francis and Scrubb & Co., Ltd.).

PARK—BIRNIE.—At Holburn Central Church, Aberdeen, on August 25, Albert William Park, M.P.S., Ilford, Essex, to Agnes Birnie, M.P.S., Aberdeen.

STOUT—THOMPSON.—At Edinburgh, recently, Edward William Stout, M.B., Ch.B., Whitehaven, to Alta Frances Thompson, M.B., Ch.B., daughter of Mr. and Mrs. Edwin Thompson, Liverpool.

WILLIAMS—ROGERS.—At St. Clement's Church, Briton Ferry, on August 26, the Rev. T. Alun Williams, B.A., B.D., Curate of St. Catherine's Church, Neath, to Dorothy Rogers, M.P.S., The Pharmacy, Briton Ferry.

Deaths

LLOYD.—At Norwich, recently, Mr. Henry Morgan Lloyd, member of the Council of the Pharmaceutical Society, 28 Vic-toria Street, Merthyr Tydfil,

aged sixty-seven. Mr. Lloyd served his apprenticeship to the late Alderman R. P. Rees, Dowlais. Before qualifying he had experience in London, on the Continent and in the United States. He commenced business in Merthyr Tydfil about forty years ago, and has since been actively associated with public affairs. In 1913-14 he was Mayor of the borough; he has also held office as president of the Merthyr Chemists' Association, the Merthyr Chamber of Commerce, and other bodies. Mr. Lloyd has been a member of the Consultative Council of the Welsh Board of Health and a governor of the University College of South Wales and Monmouthshire. He



Mr. H. M. LLOYD

was co-opted to the Council of the Pharmaceutical Society in 1922 on the death of Mr. W. L. Currie, but was unseated at the election of 1925; in 1935 he again came forward as a candidate and was successful.

GOODALL.—At I Belsyre Court, Woodstock Road, Oxford, on September I, Mr. Horatio Charles Goodall, M.P.S., aged sixty-five. Mr. Goodall, who was born at Lincoln, served his apprenticeship to J. & H. Matthews, Queen's Gardens, London, W.2. For more than thirty years he was a partner in the firm of Dolbear & Goodall, 108 High Street, Oxford, the history of which was published in The Chemist & Druggist, 1935, I, 536, on the occasion of its centenary. Mr. Goodall retired three years ago. He was secretary of the Oxford and District Chemists' Association for more than fifteen years: he was also Chemists' Association for more than fifteen years; he was also secretary of the Oxford Branches of the Pharmaceutical Society and National Pharmaceutical Union and of the Oxford Pharmaceutical Committee. He held office for a time as chairman of the Oxford City Insurance Committee, and was a well-known freemason. Mr. Goodall is survived by a widow.

HARRIS.—Recently, Mr. Percy Harris, M.P.S. (Harris & Altree, Ltd., 260A Fulham Road, London, S.W.10), aged sixty-one.

HENDRY.—On August 21, Mr. Fred Harry Hendry, M.P.S., 13 Talfourd Place, London, S.E.15, aged seventy. Mr. Hendry was a native of Hull, and was apprenticed in that city to Mr. E. H. Earle. He was in business in Southampton Street, Camberwell, S.E., for thirty-five years and was much respected. The South-East London Chemists' Association sent a floral tribute, and was represented at the funeral by the president, Mr. W. C. Spooner.

Personalities

The winner of the Fairchild scholarship for 1937 in the United States is Frank Thomas Maher. There were twenty-six candidates.

LORD AND LADY LEVERHULME have accepted the respective offices of Charter Mayor and Charter Mayoress of Bebington, which is to receive its charter of incorporation as a borough at Port Sunlight on September 28.

Notice is given in "The London Gazette" of August 31 that Simon Philip Rosencweig, medical practitioner, "Grindon," Beechgrove Road, Newcastle-upon-Tyne, has by deed poll assumed the name of Simon Philip Rawson.

SIR EDWARD POULTON, D.Sc., LL.D., F.R.S., this year's president of the British Association, which began its meetings in Nottingham on September I, was born at Reading in 1856. He graduated in the University of Oxford, where he was Hope Professor of Zoology for many years; he has also held various other scholastic and administrative posts in the University. Sir Edward Poulton has been vice-president and a member of Council of the Royal Society, president of the Linnean Society, and president of the Association of Economic Biologists. He is the author of numerous books and memoirs, chiefly on zoological subjects, and has been awarded many scientific distinctions. (Portrait on p. 273.)

Business Changes

Mr. T. K. R. Dewe, 87 Mount Road, Hastings, has opened a branch at 128 Battle Road, Hollington, Sussex.

Mr. John F. Rodgers, chemist and druggist, has taken over the business at 49 Great Junction Street, Leith, formerly carried on by Mr. Robert Reid, chemist and druggist.

The business of the late Mr. John T. Simpson, chemist and druggist, at 261 Castlemilk Road, King's Park, Glasgow, has been purchased by Mr. Duncan Campbell Cothill, chemist and

Mr. C. P. Taverner, M.P.S., has taken over the business of J. B. Bray (Chemists), Ltd., The Broadway, Crowborough. Mr. Taverner was for some years a partner in the firm of Frank Bliss & Co., Simla and Lahore, India.

Trade-Mark Applications

(From "The Trade Marks Journal," August 25, 1937)
"Chameleon"; for insecticides (2). By Cimex, Ltd., 68 Victoria Street, London, S.W.I. 577,467.

Street, London, S.W.1. 577,407.

"DIZ"; for disinfectant soap (2). By D. Brown & Son, Ltd., Main Street, Donaghmore, N. Ireland. 577,565.

Diagram of mountain peak with word "DUSTLAYA"; for dust-laying disinfectants (2). By J. Peak & Co., Ltd., Newtown, Wigan. 577,757. (Associated.)

"PABUTOLE"; for veterinary chemicals (2); for medicinal chemicals (3). By Sharp & Dohme, Ltd., 76 City Road, London, E.C.I. 578,161/162. (Associated.)

"Every": for inserticides, etc. (2). By Pan Britannica Inserticides.

"Kilsett"; for insecticides, etc. (2). By Pan Britannica Industries, Ltd., Britannica Works, Waltham Abbey. 578,450.

"EUTIPP"; for medicinal chemicals (3). By Dr. E. Kantorowicz, 74 Sebastianstrasse, Berlin. 576,491.

"Historin"; for medicinal chemicals (3). By Nitrik-Fabrik A.-G., 218 Wendenschloss Strasse, Berlin-Kopenick, Germany. 576,551.

"Cycliton"; for medicated analeptic preparation (3). By Roche Products, Ltd., 51 Bowes Road, London, N.13. 576,615.

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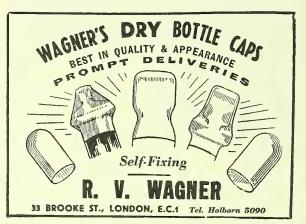
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B/31. Sterilite waterproof
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THE

CHEMIST AND DRUGGIST

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The British Association Meeting

The annual meeting of the British Association is in progress this week at Nottingham, where meetings are held during the period September 1–8. This is the third occasion since the foundation of the British Association on which the meeting has been held at Nottingham, the previous years being 1866, when William Grove was president, and 1893, when Professor Burden Sanderson presided. This year's president is Sir Edward Poulton, zoologist, who retired from the Hope Department of Zoology, Oxford, of which he was head. He is famous for his entomological studies, especially in regard to mimicry.

The president's address is usually anticipated with much interest, since the president for the year generally has widely divergent interests from those of his predecessors. This year Professor Poulton took for his subject the history of evolutionary thought, and confining himself to the progress of thought on organic evolution, he followed on the series of meetings beginning first of all with the Jubilee meeting at York in 1881, the first meeting at which he himself was present. At the outset of his address he dwelt on the point which is perhaps largely responsible for the continued interest in the meetings of the British Association, namely, that one of the chief benefits conferred by the Association on its younger members was the opportunity of meeting older men who had achieved fame by reason of their discoveries. The names of many famous investigators came up for reference, notably that of Huxley, whose evening lecture on "The Rise and Progress of Palæontology "-the science which provides an essential part of the foundation on which geographical, geological and biological evolutionary history was built-stood out most clearly in his memory so far as this historic meeting was concerned. He recalled that one of Huxley's chief objects was the bringing forward of evidence as to how it

was possible to reconstruct an extinct animal from a tooth or a bone, which, Professor Poulton pointed out, made so deep an impression on the imagination.

The embittered controversy which Huxley's lecture continued recalled to mind another controversy, on the age of the earth, which has continued intermittently in the British Association meetings from 1892 onwards for nearly thirty years. This fact, Professor Poulton pointed out, is a good example of the help brought forward at the British Association meetings when there appears to be difficulty in reconciling the conclusions arrived at by the followers of different sciences. That the scale of geological time remains in great measure unknown was regretted by the lecturer, after pointing out that so recently as the present year Sir Ambrose Fleming is stated to have said, 'We were not in possession of any generally agreed scientific modes of geological time measurement, but only with estimates which were based for the most part on personal predilection or guesses at truth." He then discoursed pleasantly on the views of men whose names are writ large in the pages of evolutionary investigation. Any discussion on organic evolution, said Professor Poulton, appeared to be well-nigh useless.

In a few words of advice regarding the attempt to determine organic evolution, Professor Poulton said the work of the naturalist and of the student of living nature is essential. He put forward the suggestion that the colours of animals provide one of the most fruitful fields in which to pursue investigations. In conclusion, he referred to what he described as a most interesting and encouraging subject, the feeling for animals and care for their welfare to-day, contrasted with the treatment they received in the past.

The address of Dr. F. L. Pyman, F.R.S., who is president of Section B, is given elsewhere in this issue. In the report of this address, which is abridged, the application of modern scientific methods to the discovery of therapeutic substances is discussed.

Some Market Pointers

The markets affected have quickly reacted to the dispute in the Far East, and the problem to be faced is, in some instances, a question of obtaining supplies rather than the price at which they may be obtained. Items such as RHUBARB, AGAR and ANISE (STAR) are of general interest to the trade, and for that reason we have made a careful survey of these markets. A check up of stocks at the Cutler Street warehouses revealed a total of between 50 and 60 cases of all descriptions of Rhubarb, of which about 30 were Shensi. Of these, the bulk seemed to be slightly wormy, leaving but a few cases of good quality. The remainder consisted of about 25 cases of Rough Round description, most of which, we were informed, has already been sold to the trade. There would, of course, be a few cases of various descriptions in private warehouses, but it is not anticipated these would be sufficient to materially relieve the position. A parcel of about 25 cwt. of Rough Round is reported affoat, and there are no shipment offers from the source. Spot holders are now very reserved, declining to quote, and the few sales made have been to consumers and at high values. For some time the spot quotation for Agar has been under the cost of replacement on current prompt shipment quotations, but consumers will be more interested in the new crop position for new year shipment. Quotations have been received this week, and the figures named, about 2s. $7\frac{1}{2}$ d. per lb. c.i.f. for

Kobe No. 1, may seem reasonable. It has to be remembered, however, that China is an enormous consumer of this Japanese product. If that market is lost for the sale of the coming crop, it must mean a heavy surplus to be disposed of in other quarters. Some years ago under similar conditions the shipment market weakened and reached unusually low figures. There may, of course, be a severe failure of the crop, but nothing of that nature has yet been reported. With normal output the shipment price does not seem likely to advance, while the loss of the Chinese market may well bring down values. The searching inquiry for spot supplies of ANISE (STAR) oil continues, and it is now probable that a famine in this article may have to be faced. During August drums advanced from 3s. to 4s., and holders are not now willing sellers at the latter figure. The Mincing Lane market has been practically cleared of all stocks, and the modest supplies in merchants' hands are being reserved for their consuming customers. At the moment there may be odd lots of tins at 4s. 3d. to 4s. 4d. and drums at fully 4s., with some drum oil repacked into tins at about 4s. 4d. The quantity of oil afloat is not likely to be large, as the last offers from Hong Kong were for $14\frac{1}{2}^{\circ}$ oil, with little interest shown on that account. It might, of course, still be possible to effect shipment from

Hong Kong, but the oil has to come down country through the Tientsin area.

New Standard of Dosage

In a recent issue of "The Journal of the American Medical Association" (109, 7) it is announced that the Council on Pharmacy and Chemistry of the Association has fixed the dosage of cod-liver oil "N.N.R." for infants at two teaspoonfuls daily, stated to be equivalent to 6,250 units of vitamin A and 625 units of vitamin D. The "average daily dose" of cod-liver oil in the United States Pharmacopæia Supplement has been changed to two fluid drachms for infants and adults. The announcement includes a mention of the vitamin D requirements of growing children and adults relatively to those of infants, and suggests that the requirements for the two first-named groups are proportionately less than those for infants, drawing the inference that two drachms per diem in the case of each group would in all probability suffice in respect of this vitamin. There are, it is added, very few data bearing on the vitamin-A requirements of man other than the infant portion of the race; regarding this vitamin the same dosage of cod-liver oil as for vitamin D is suggested. The Council voted the requirement (1) that the dosages of accepted preparations of vitamins A and/or D provide at least the equivalent in these vitamins of two teaspoonfuls of cod-liver oil but not more than 10,000 units of vitamin A and 1,000 units of vitamin D, and (2) that dosage statements on labels and in advertising should be accompanied by the phrase "or as prescribed by your physician."

Recent Research

Radium E Synthesis

BISMUTH was one of the heavy elements subjected to bombardment by 5-million volt deuterons from a cyclotron accelerator. J. J. Livingood and co-workers ("Physical Review," 50, 425) found that the product of the reaction

$$\binom{209}{83}$$
Bi +H $\rightarrow \binom{210}{83}$ Bi + $\binom{1}{1}$ H)

appears to be identical with radium E of the natural radium series. It has the expected decay period and the α -particle activity of polonium (radium F) was formed by a successive transformation and had the correct range. This is the first synthesis of a natural radio-element.

Heat Dissipation in Illuminated Showcases

ELECTRICIANS assume an ambient temperature, with normal lamp fittings, of about 27° C., which allows a rise of 23° C. in the connecting leads before the maximum permissible operating temperature (50° C.) of rubber insulation is exceeded. H. G. Taylor, W. Lethersich and P. D. Morgan, in a report to the Electric Research Association (published in "World Power" recently) suggest methods for reducing excessive ambient temperature in enclosures such as shop windows and showcases. Natural ventilation by air at the top (for egress of hot air) with others at the bottom (for ingress of cold air) is of considerable value, an area of 4 per cent. (at top and bottom) reducing the maximum temperature rise by 50 per cent. A fan to disturb the air and provide a uniform temperature throughout the enclosure is also useful.

Calomel Vapour

F. I. Gucker, Jun., and R. A. Minch ("Journal of the American Chemical Society," 59, 7, 1275) find that calomel sublimed in vacuo at 200° C. does not show any trace of mercury in the sublimate. The vapour from undried calomel shows the presence of mercury from 400° C. down to 100° C., while in the case of carefully dried calomel it is not evident below 250° C. The partial pressure of the mercury vapour is about half the vapour pressure of the calomel, indicating that decomposition is complete in accordance with the equation $2 \text{HgCl} = \text{Hg} + \text{HgCl}_2$.

Thin Films of Gold

A NEW and easy method for producing films of pure gold is described by C. S. Gibson ("Nature," 3537, 279). Diethylmonobrom gold ($[Au(C_2H_3)_2Br]_2$) dissolved in ethanol rendered alkaline becomes deeply coloured, and in about eight minutes at ordinary temperature deposits gold as a coherent film. The pure gold films are more easily produced than those of silver and much more inert chemically. By reflected light they appear as massive gold of opulent appearance. They show the characteristic colours of thin gold by transmitted light.

New Source of Vitamin A

The viscera of halibut (stomach, mesentery and intestines) have been found by J. A. Lovern, J. R. Edisbury and R. A. Morton ("Nature," 3537, 276) to yield oils abnormally rich in vitamin A, as shown by the data in the following table:—

VITAMIN A IN HALIBUT

Weight of	Weight of	Weight of	Weight of	Weight of Weight of v		vitamin A	Percentage of	of vitamin A
fish kilos	liver kilos	" viscera " kilos	liver oil (gm.)	" visceral " oil (gm.)	in liver (gm.)	in viscera (gm.)	in liver oil	in visceral oil
45 ' 4 45 ' 4 28 ' 6 23 ' 6 26 ' 9 36 ' 3	1.03 0.54 -0.40 0.34 0.51 0.91	1.67 1.47 0.76 0.85 1.04 1.06	203 70 34 — 205	36 27 15 15 17 20	3·84 1·53 2·1 —	2·88 1·51 1·05 0·9 0·48 0·32	c. 20 2·2 6·3 c. 4·6 0·33 0·11	8·0 5·6 7·0 6·0 2·8 1·6

Researches in Chemotherapy

THE presidential address of Dr. F. L. Pyman, F.R.S., to Section B of the British Association for the Advancement of Science at Nottingham on September 2 explains and exemplifies the application of modern scientific methods to the discovery and development of therapeutic

substances.

The most outstanding achievement in chemotherapy has been the introduction of the arsenic group of insecticides. Ehrlich, in 1891, observed that the malarial parasite was differentiated from the tissues of the host by staining with methylene blue; and in his studies he determined the "chemotherapeutic index" of each substance, i.e. the ratio of the minimum curative dose to the maximum tolerated dose. Chemotherapeutic research postulates co-operation between clinicians, biologists and chemists, and starts from the discovery that some drug is of clinical benefit in a given disease or toxic to certain organisms. Substances more or less closely related thereto are synthetised and tested for their chemotherapeutic properties. properties.

Bactericides

Systematic studies have been made of several homologous series of phenols. American chemists demonstrated the profound effect of the length of the side chain upon the bactericidal properties of substituted resorcinols, which reach a maximum with 4-n-hexylresorcinol with a phenol co-efficient of 50. The variation of phenol coefficients was studied by Coulthard, Marshall and Pyman in 1930 in relation to n-alkylphenols, -cresols and -guaiacols with results set out in the following table:-

PHENOL COEFFICIENTS

p-n-Alkylphenols 4-n-Alkyl-m-cresols 4-n-Alkylguaiacols

In all cases the maximum effect is attained when the side chain is a n-amyl group. Pharmacological experiments showed that 4-n-amyl-m-cresol has less than one-half the toxicity of hexylresorcinol, and that it was non-toxic in medicinal doses. It has been successfully introduced into medicine as an anti-septic in the oral cavity, being effective as a bactericidal mouth wash at dilutions of I in IO,000. Clinical trials as a urinary antiseptic were disappointing, but this applies to phenolic bactericides in general. Fortunately Rosenheim's studies of hydroxy-acids (developed in the urine of patients on ketogenic diet) led to the finding in mandelic acid of a sub-stance not oxidised in the body and thus exerting its bacteri-cidal effect unaltered in the urine (increasing with acidity).

Amæbicides

Emetine has long been the principal drug used in the treatment of amœbic dysentry. The possibility that the alkylharmol series might possess bactericidal and amœbicidal activity was investigated. It was found that these increased on ascending the homologous series up to a point and then started to fall, the peak being reached at butyl for B. typhosus and amyl for S. aureous, and with O-n-nonylharmol as regards amedicidal activity. Owing to sparing solubility, a salt-forming group was introduced in the form of a terminal dialkylamino-group. The activity of $O-\lambda$ -di-n-butylamino-undecylharmol was many times that of O-n-nonylharmol, which led to suspicion that the harmol residue might not be an important contributor to the amæbicidal properties of the molecule.

Several compounds were prepared in which dibutylaminodecyl (or undecyl) groups were introduced into molecules of varying structure, and it was found that the attachment of the group (C₄H₉)₂N. (CH₂)₁₀ to a simple substituted amino group resulted in a very high amœbicidal efficiency. The peak of the series of decane derivatives of the general formula, R₂N. (CH₂)₁₀NR₂, was found at ακ-tetra-n-amyldiaminodecane. This was used as a standard of comparison and is, for brevity, designated as T.A.D.D. The results of tests were as

Compound		Minimum concentration
ак Decanes		lethal to E. histolytica
Tetra-n-propyldiamino		1 in 250,000 not lethal.
Tetra-n-butyldiamino		1 in 1,500,000.
Tetra-n-amyldiamino	•••	1 in 3,000,000 (or less).
Tetra-n-hexyldiamino		1 in 1,000,000.
Tetra-n-heptyldiamino		I in 250,000 not lethal.

A similar test indicated that the corresponding series of undecane derivatives also showed the peak with the tetra-

amyldiamino member.

Many variants on tetra-amyl-diaminodecane were made, but none approached it in amæbicidal efficiency. T.A.D.D. is from three to five times as efficient as emetine when tested in vitro at a Ph value of 6.2 or 6.3. It has only one-tenth the toxicity of emetine when administered orally to mice, and one-sixth on subcutaneous injection. Its therapeutic index is therefore more favourable than that of emetine, and it appeared exceptionally promising for clinical trial and was accepted for this purpose by the Therapeutic Trials Committee of the Medical Research Council.

Professor Warrington Yorke finds that T.A.D.D. administered orally possesses some action in amœbic dysentry, but that it is not sufficiently active to be of any real value. Unthat it is not sufficiently active to be of any real value. Unfortunately, T.A.D.D. cannot be given intramuscularly, subcutaneously or intravenously as it is intensely irritating. The comparison of the amæbicidal values of emetine and T.A.D.D. in a faintly alkaline medium apparently gives a better indication of their relative clinical value, and this knowledge will be of value in further work on the subject.

Removal of Pyrogen

The removal of pyrogen from solutions prepared for intravenous injection is discussed by Co Tui and others in "The Journal of the American Medical Association" (109, 4, 250). The authors point out that reactions following the intravenous injection of aqueous solutions have been known nearly as long as intravenous therapy itself. These reactions are characterised by fever, chills, vomiting and other gastro-intestinal disturbances. After reviewing previous work on the subject and giving details of their own experiments, Dr. Tui and his colleagues draw the conclusion that the pyrogen found in infusion fluids is of a particulate nature, of a larger order of magnitude than 50 millimicrons but smaller than 1 micron. Whether it is of protein or of other composition, whether it acts as a particle *per se* or in some other way and whether other particulate substances of this dimension can reproduce this phenomenology remain to be investigated.

The practical result of this work is that there are now available two processes of filtration which effectively remove the reactive agent from infusion fluids. One is ultrafiltration, which, however useful it may be in the determination of particle size, is too slow and technically too difficult for clinical use. other process is adsorptive filtration through two layers of Seitz serum No. 3 filter pads (compressed asbestos). This process is easy to manipulate, and should be feasible for use in hospitals and commercial houses. The adsorptive filtration is really the core of the process, since neither distillation of the water nor a final sterilisation by heat is essential, although both are recommended; the former hospitals are proported. both are recommended: the former, because on general principles it is best to use water free of chemicals other than those prescribed; the latter, to avoid bacterial contamination during

The Common Cold

10 the pharmacist, the common cold must have been, from time immemorial, a staple source of business. This is not surprising when one takes into account the prevalence of the common cold, the fact that it is generally regarded as a minor ailment, suitable for home treatment, and the fantastic number and variety of "certain cures."

Statistics regarding the common cold fully merit the application of that rather overworked adjective, staggering. It is by far the most prevalent complaint of temperate climates, and careful investigation in the United States has shown that, on the average, each person suffers two attacks of colds per annum. It seems probable that a similar incidence rate obtains in this country. This means that approximately 90,000,000 colds occur in Great Britain annually. The wastage is estimated to cost £50,000,000. The serious illnesses and loss of life from complications, sequelæ and neglect of colds are beyond computation.

What is a Cold?

Before the existence of bacteria and other infective organisms was revealed, strange beliefs were held regarding the cause of colds. In the Middle Ages, they were mostly attributed to witchcraft and occult influences, a more degenerate view, it may be remarked, than that held by the ancient Greeks, who thought that most diseases arose from the accumulation of poisons in the blood and liver. Another ancient belief was that catarrh resulted from a flux from the brain, and even in the "age of reason"—the reign of Queen Anne—James Handley, a popular writer on health, said: "Fernelius saith, besides serum within the cranium, there's other excrements gathered.
..." Incidentally, it was the clearing of the brain from such "excrements" that gave rise to the snuff-taking habit.

The great discoveries of Pasteur opened the way for a scientific investigation into the bacteriological aspects of the common cold. This work showed that the bacteria most commonly present in coryza are pneumococci, streptococci, Pfeiffer's bacillus, M. catarrhalis, B. influenzæ, etc. These organisms were held to be the causative agents in colds until about 1920, when the filter-passing virus theory was proposed. It is now generally accepted that a cold is caused primarily by a filterpassing virus, and that the various other organisms found are secondary invaders and give rise to most of the symptoms. D. and R. Thomson(1) consider that colds may be divided into three groups, virus colds arising in the manner described above, bacterial colds, in which pneumococci and other organisms are the primary cause, and allergic or non-infectious colds caused by dust, chemical fumes and various irritants.

Drugs Used in Treatment

A celebrated French rhinologist has said that an untreated cold lasts a fortnight and a treated one lasts fourteen days. Pe that as it may, no one can accuse mankind of neglect in attempts to find a remedy. When one contemplates the vast pharmacopæia of drugs that have been used at one time or another in the treatment of colds, one's first reaction is that of admiration for the ingenuity and perseverance displayed in the selection of some of these "remedies," and secondly one cannot but be amazed at the resilience and hardihood of the human frame that has successfully withstood the administra-

tion of some formidably complicated forms of treatment.
Until comparatively recently, almost all treatment has been directed at the symptoms of colds and in attempts to abort the attack. Little has been done regarding prevention. To-day, the most popular remedies are undoubtedly aspirin, quinine and hot drinks, such as whisky, although opinion seems divided as to whether the latter is so much a remedy as a consolation. or whether the latter is so much a remedy as a consolation. In addition there is, of course, the vast array of antiseptic local applications, sprays and oily instillations containing camphor, menthol, eucalyptus, peppermint, ephedrine, adrenaline, cocaine, alkalis, etc., with which every pharmacist is familiar. Familiar, too, are the recipes handed down from generation to generation and frequently preserved on their critical piece of paper, now foded tattered and often some original piece of paper now faded, tattered and often somewhat grubby. Some remedies, peculiar to a district, enjoy a great reputation, for example, the redoubtable "gasman's mixture" which is used in great quantities in some districts during a cold epidemic.

It may not be without interest to take a passing glance at some original treatments that have found or continue to find favour in varying degree. The subcutaneous injection of sodium iodide solution containing traces of free iodine and the oral use of solution of iodine is recommended by Sternberg(2) for prevention and treatment of colds. Inhalation of chlorine by means of special machines was widely used in the United States following the observation that workers in chlorine plants escaped colds and influenza. Wilson(3) states that minute doses of arsenic are advised in the abortive treatment of colds. Thorpe(4) recommends the use of a 5 gr. tablet of calcium lactate dissolved very slowly in the mouth.

Modern Methods of Prophylaxis and Treatment

As greater attention is being directed towards prevention of colds, vaccines, both toxic and detoxicated, have been widely used. The detoxicated anti-coryza vaccines consist of mixtures of the bacteria most commonly encountered, the total number of organisms being sometimes about 50,000 millions per c.c. Unfortunately, only a limited success has been attained with vaccines, since it is hardly feasible to include every variety of bacterium capable of causing a cold, and it is, of course, impossible by this means to give protection against the unidentified filter-passing virus which is probably the main causative factor in colds. In addition, the majority of people in this country still regard a hypodermic injection as a major surgical procedure.

In an effort to overcome the inconvenience of vaccines injected beneath the skin, several manufacturers have prepared oral vaccines. It is, as yet, too early to judge the value of these preparations compared with the vaccines for injection. The oral vaccines are somewhat expensive, and naturally have the same disadvantages in their approach to the problem in that they take no account of the virus aspect. There is at least one example of a vaccine intended for nasal instillation which

is based on Besredka's theory of local immunisation.

A modern form of symptomatic treatment is outlined by Todd(5). This has been evolved at the Bristol Royal Infirmary and consists of an immediate antiseptic action on the naso-pharyngeal mucosa by means of an acid. hydrochlor. and pot. chlor, mixture followed by a coryza mixture made up as

Sod. salicyl		gr. vj.	Syr. tolu.			Mxxx.
Tinct. chlorof, et morpl						
Ammon. chlor						
Tinct. cinchonæ co.			Glycerin	•••	•••	Mxv.
Tinct. catechu	• • •	Mxv.	Aquam	•••	ad	3 J.

Use with an equal part of water.

This preparation is said to exert a twofold effect, namely, a delayed action from the ammon. chlor. and a decongestive action on the nasal mucosa from the salicylate-chlorodyne combination.

It is impossible to give here more than a brief review of some aspects of the common cold of general interest. There is some evidence of an awakening on the part of the public to the importance of prevention, and the pharmacist can play his importance of prevention, and the pharmacist can play his part in making known the advances that have been made in this direction. Meanwhile, to the great multitude of sufferers, the pharmacist can offer the soothing local applications, the febrifuges, the instillations, the relievers of pain, the gargles and the sprays in the knowledge that he is giving grateful relief to those unfortunate victims of the common cold of whom Petronius might have been thinking when he wrote, "From whole swoln Eyes there runs a briny flood."—C. D. S. (1/9).

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(2) Sternberg. Treatment of Colds with Small Dose Iodine. Wien. klin. Wchnschr. Vol. 40, Sept. 1st, 1927. Treatment of Colds with Small Doses of Nascent

(3) Wilson, W. Nasal Catarrh, Acute and Chronic. Practitioner, Vol. 91, Oct., 1913, pp. 489-499.

(4) Thorpe, V. G. The Common Cold (letter). Brit. Med. Journ., Mar. 12, 1932, p. 506.

(5) Todd, A. T. Practitioner, Vol. 133, Dec., p. 730.

Awards in a Packaging Contest









THE results of a British packagingdesign contest organised by "Shelf Appeal" have been made known this week. Some of the winning entries are shown.

I. COOPER, McDougall & Robertson, Ltd.—Award of merit in Class II (redesigned family of packages) designer,

2. FONTAINE (PERFUMES), LTD.—Gold award for the outstanding packaging and merchandising achievement of the year; designed by Consultants, Ltd.

3. Allcock Manufacturing Co.-Silver award in Class 16 (counter displays for packaged goods) for Nailoid display outer designed by J. Walter Thomp-

y other designed by f. Warter Hompson Co., Ltd.

4. Morny, Ltd.—Award of merit in Class 9 (decoratively designed packages) for baby soap container designed by Nortier & Harrison, Ltd.

5. S. Maw, Son & Sons, Ltd.—Silver

award in Class I (packages for a new product, in one colour only) for baby feeder designed by Vernon S. Porter.

6. YARDLEY & Co., LTD.—Silver award in Class 9 (decoratively designed packages) for English complexion powder box designed by Reco Capey.

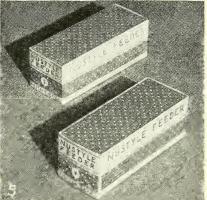
7. THE BRITISH DRUG HOUSES, LTD. —Award of merit in Class 5 (packages using lettering without other design); designed by Norbert J. Dutton.

8. T. J. SMITH & NEPHEW, LTD.—

Silver award in Class 7 (packages having points of consumer convenience) for Elastoplast doctor's set and surgery case designed by F. Atkins.









Indian Chemical Trade

THE following details of imports of chemicals, drugs, soaps, etc., into India for the fiscal year April 1, 1936, to March 31, 1937, are given in a report issued by the Department of Overseas Trade.

Drugs and Medicines

There was a slight reduction in the total value of this trade from Rs.211 lakhs to Rs.207 lakhs. As regards the categories under this heading separately classified, proprietary and patent medicines were responsible for about one-third of the imports during the year under review rising about 6 per cent. from Rs.64.2 lakhs to Rs.68 lakhs. Quinine salts, the next item in order of importance, contracted somewhat in value of the imports from Rs.26 lakhs to Rs.23 lakhs. Imports of camphor also declined from Rs.22.4 lakhs to Rs.21 $\frac{1}{4}$ lakhs; the shipments of saccharin fell sharply from Rs.3.8 lakhs to Rs. $\frac{3}{4}$ lakh. In proprietary and patent medicines, the United Kingdom secured the bulk of the trade, her exports rising from Rs.26 lakhs to Rs. 29½ lakhs. Arrivals from Germany advanced from Rs. 16 lakhs to Rs. 18 lakhs, while those from the U.S.A. declined slightly from Rs. 12½ lakhs to Rs. 11¾ lakhs. In quinine salts Germany was the principal source of supply, the exports from that country registering Rs.8½ lakhs in the year under review as compared with Rs.11½ lakhs in the preceding year. The shipments from the United Kingdom aggregated Rs.7.7 lakhs as compared with Rs.7.9 lakhs in the previous year. Arrivals from Java advanced slightly from Rs.2.2 lakhs to Rs.2\frac{3}{4} lakhs. In camphor, Japan and Germany were the principal suppliers. The shipments from the former country were Rs.11.4 lakhs as compared with Rs.13 lakhs in the preceding year, and from Germany Rs.7.2 lakhs as compared with Rs.8.4 lakhs in the year preceding.

CHEMICALS

There has been a change in the progressive increase in this trade during the last few years, and the current year 1936-37 registers a decline in total imports from Rs.312 lakhs to Rs.272 lakhs. The decline is spread over practically all the separate commodities included under this general heading with the exception of disinfectants, which have advanced from Rs.6.1 lakhs to Rs.6.8 lakhs, magnesium compounds, the imports of which have advanced from Rs.3.8 lakhs to Rs.4.3 lakhs and sulphur, from Rs. 20.5 lakhs to Rs. 21.8 lakhs. The following table shows the comparative imports in the two years in question of the items included under the general category: -

Total Imp	ORTS				1935–36 Rs. (lakhs) 311•9	1936-37 Rs. (lakhs) 272·2
Acids					12	9.1
Aluminous sulphates					$I \cdot I$	I
Ammonia and salts	thereof				10.0	10.9
Bleaching powder					11.0	9.1
Carbide of calcium					7·1	6.9
Copper sulphate					4.4	3.3
Disinfectants					6 · I	6.8
Glycerin					4.3	•8
Lead compounds					. 9	I.I
Magnesium compour					3.8	4.3
Potassium bichroma	te				1.7	1.5
Potassium chlorate					9.8	6.1
Sodium bicarbonate					7.8	5.9
Sodium bichromate					3 * 3	3.6
Borax					3.1	2.6
Sodium carbonate					61.9	50.9
Sodium cyanide					- 2.4	1.4
Caustic soda					41.3	36.6
Sodium hydrosulphi	te				_	4.2
Sodium hyposulphit	е					•8
Sodium silicate					3.2	2.9
Sodium sulphate					• 2	• 4
Sodium sulphide					3.5	2.2
Sulphur (brimstone)					20.5	21.9
Zinc compounds	• • •	• • •	•••	• • •	9.4	8.6

SOAP

The aggregate trade in this commodity continues to contract with the expansion of the local industry, and in household and laundry soap, has reached negligible proportions. The total shipments fell from 59,517 cwts., value Rs. 34¼ lakhs to 47,592 cwts., value Rs.26¾ lakhs. As regards categories, the

decline in the imports of household and laundry soap was from 12,464 cwts., value Rs.2.9 lakhs to 10,216 cwts., value Rs.2.1 lakhs. The imports of toilet soap were reduced from 41,438 cwts., value Rs.293 lakhs to 32,684 cwts., value Rs.23.3 lakhs. The United Kingdom secures the bulk of the available trade and the reduced imports therefore from that country are responsible for the bulk of the fall in total trade. The arrivals from the United Kingdom declined from 42,162 cwts., value Rs.27½ lakhs to 30,676 cwts., value Rs.20.3 lakhs. The shipments from "other countries" declined from 17,355 cwts., value Rs.6.8 lakhs to 16,916 cwts., value Rs.6½ lakhs.

Frangipanni

By Ernest J. Parry, D.Sc., F.I.C.

HETHER spelt with one "n" or with two, the name of this once popular perfume is obviously derived from the old Roman (?) family of the Frangipanis. I do not want to be considered an iconoclast, but popular myths and legends which do not appear to have any foundation in foot each to be reached to be a second to be reached to be r

It has been said, and I think it is popularly believed, that the name is derived from the words "frango" and "pannio," breaker of bread." It is said that someone (who he was I cannot inscriptly a lawyers had attained to have any foundation of the said that someone (who he was I cannot inscriptly a lawyers had attained to have any foundation of the said that someone had attained to have any foundation of the said that someone had attained to have any foundation. cannot imagine), a layman, had attained to the high privilege of being allowed to break the sacred host during the celebration of the Eucharist, and that so, having obtained this honour, he took or was given the name "Frangipani." The old family contained some brave members, but on the whole they were a turbulent lot, and there are some very dark spots in their history, of which perhaps the worst is the betrayal of Conradin of Hohenstaufen by John Frangipani referred to below. The only reference to the breaking of the host, in connexion with a Frangipani, is the following, where Bernhardin Frangipani played some devil's trick on the priest. It is to be found in by Vinciguerra, and preserved in the library of St. Mark in Venice. During the last year of the fifteenth century Count Bernhardin Frangipani was present on New Year's Day at mass in Modruse. The priest was about to take the best into mass in Modrusa. The priest was about to take the host into his hands to break it, when he perceived to his horror that it was no longer upon the altar, and being stricken with terror he knew not what to do. Some of the worshippers said they had seen it over the church tower-whence it eventually

The learned German scholar Dr. Henry Thode, referring to this "miracle," says: "Of which it would appear that Count Bernhardin, who was present at the time, was not without some knowledge." Apart from the obvious improbability of this story, the history of the family is fairly well established. As a matter of fact the authentic history of the Frangipanis goes back as far as 1014. They played an important part in the quarrels between the Guelphs and the Ghibellines in the twelfth and thirteenth centuries. In 1268 it was John Frangipani, Lord of Astura, who betrayed and captured the unfortunate Conradin, the last of the famous Hohenstaufen line, at Tagliacozzo, resulting in his (Conradin's) execution in the Public Square in Naples. It is more than probable that the Roman branch came from the old Croatian family of the same name, who were of Slavonic origin; although some authorities think the reverse is the case. At all events, one John Francis think the reverse is the case. At all events, one John Frangipani was in 1390 created Ban of Croatia and Slavonia (Ban = ruler of districts, subject to Hungary).

Much, of course, could be written on the history of the Frangipanis, but it will here be sufficient to say that the legend of the breaker of bread does not appear to have the slightest of the breaker of bread does not appear to have the singlified historical foundation, but may rest on some distorted account of the impious trick played by Berhardin Frangipani on the priest at Modrusa. The perfume, of course, derives its name from the old family, but the meaning of this name is to be found in its Croatian version (which includes the title) "Frankopan," which means "Frank (or Francis) the Lord."

A NEW MAGAZINE.—We have received a copy of the first number of "The Catholic Pharmacist," a quarterly publication (price 3d.) with headquarters at 118 Morland Road, Croydon. The contents, which are clearly printed, include an article in support of the Chemists' Friends scheme.

Trade Report

Where possible scales of prices of chemicals are given for bulk down to small quantities. Prices recorded for crude drugs, essential and fixed oils and coal tar products are for fair sized wholesale quantities. Qualities of chemicals, drugs, essential and fixed oils, etc., vary, and selected brands or grades would be at higher values

28 Essex Street, W.C.2, September 2

FOLLOWING on the recent burst of activity in trade buying the markets have been rather quieter this week, although a number of items continue to attract persistent inquiry. In these cases spot supplies are now running very low and the possibility of obtaining further shipments is not hopeful. We comment editorially on some of the leading Japanese and Chinese products on p. 279. Conditions in the Pharmaceutical Chemicals markets have been on the quiet side with no alteration in values of importance to record. EPHEDRINE salts, as is to be expected, continue very firm.

Crude Drugs

The markets that are dislocated on account of international political disputes continue firm at steadily increasing spot values. Curação Aloes are held firm at recent advances and there are no shipment offers. Antimony shows a further sharp advance. High test Belladonna root in short supply till new crop arrives. Japanese Camphor has sold well on spot and supplies are now very low. Quoted values for Cascara Sagrada for shipment are maintained. demand quiet. Bergen reports Cod-Liver Oil shipment business is satisfactory, market firm. Some offers of new crop Portuguese Ergor but no reliable offers of Spanish. Gentian is a very steady ERGOT but no reliable offers of Spanish. Gentian is a very steady market. There has been a good inquiry for all descriptions of Honey this week and business has been better. At the further advance any spot supplies of B.P. Matto Grosso Ipecacuanha are firmly held and shipment quotations are few and again dearer. Lobella Herb seems a little steadier on spot. Japanese Menthot has sold well on spot at full prices; shippers' quotations also steady except for end of year position, which is slightly easier; spot supplies unusually low. Pimento is dearer and firm, spot and forward. Inquiry for Rhubarb has been active, but some holders of the small stocks are very reserved and are not quoting: limited of the small stocks are very reserved and are not quoting; limited sales effected to consumers at advancing prices. Rubber is steady on the week and a recovery in values is forecast in some quarters. Rather more business reported in Senna with values steady.

Essential Oils

A good deal of the inquiry this week has been for products in short supply. Some of the summer season articles are tending unsteady. Business generally has been no more than normal. unsteady. Business generally has been no more than normal. It is already obvious the demand for Anise (Star) cannot be satisfied; prices mentioned and reported paid show a further sharp advance. Dutch Caraway may go slightly dearer owing to reported higher prices for seed. Good quality Cassia is firm, tending dearer on spot; no shipment offers. Java Citronella is firm for shipment and the Ceylon oil is reported to be likely to move up. Eucalyptus has sold well on spot and values are again rather dearer. French shipment continue to report they are not yet in dearer. French shippers continue to report they are not yet in a position to quote new crop Lavender. Sicilian hand-pressed Lemon seems to be a weak market, due entirely to lack of demand. Japanese Peppermint has sold well on spot and some interest shown in the shipment market. East Indian Sandalwood is reported slightly dearer for shipment. Spanish oils continue firm on spot.

Exchange Rates on London

The following is a list of the chief Continental and other exchange rates at the opening on Thursday morning:—

Centre	Quoted	Par	August 26	September 2
Amsterdam Berlin Brussels Copenhagen Lisbon Madrid Montreal New York Oslo Paris Prague Stockholm Warsaw Zurich	FIS. to £ Mks. to £ Belgas to £ Kr. to £ Esc. to £ Ptas. to £ Dol. to £ Kr. to £ Fr. to £ Kr. to £ Fr. to £	12·107 20·43 nominal 18·159 110 25·22½ 92·46 4·86¾ nominal 18·159 124·21 164·25 18·150 43·38 25·2115	9.03 24.39 29.60 22.40 110\$ nominal 94\$ 4.98\$ 4.98\$ 19.90 132\$ 142\$ 19.40 26\$ 21.70	9.00 24.35 29.48 22.40 110½ nominal 94% 4.96½ 4.96½ 19.90 132% 14.24 19.40 26⅓ 21.62

Bank rate 2 per cent.

Pharmaceutical Chemicals, etc.

Business has been rather quiet this week with only one or two products attracting interest. Ephedrine salts continue firm.

ACETANILIDE.—Quiet demand, market steady: B.P. crystals and powder, is. $7\frac{3}{4}$ d. to is. $10\frac{1}{2}$ d. per lb., as to quantity.

Amidopyrine.—Convention prices continue at the reduction recorded last week: two cwt., 8s. 1od.; one cwt., 9s. $1\frac{3}{4}$ d.; less than one cwt., from 9s. $5\frac{1}{2}$ d. per lb.; powder, $2\frac{1}{2}$ d. per lb. extra.

Ammonium ichthhosulphonate.—Values quoted unchanged: one cwt., is. 0½d., in 14-lb. tins; is. 8d., in 1-lb. tins; is. 10½d., in 8-oz. tins, and 2s. 1d. per lb., in 4-oz. tins.

Aspirin.--Makers' and dealers' prices are unchanged, average business reported; home trade, ten cwt., 2s. 7d.; five cwt., 2s. 8d.; one cwt., 2s. 8½d.; 28 lb., 2s. 9d.; 14 lb., 2s. 10d.; 7 lb., 3s.; 4 lb., 3s. 2d.; 1 lb., 3s. 4d. per lb. Bulk packing free, net, carriage paid. Contracts, over twelve months, minimum one ton; over six months, less than one ton.

Barbitone.—Convention prices unchanged, market quiet: spot, two cwt., 8s. 9_4^1 d.; 56 lb., 8s. 11_2^1 d.; small parcels, up to 9s. 2_4^1 d. per lb.

Benzoic acid (B.P.).—Average business: quantities, ex works, is. 9½d.; spot parcels, is. iod. to 2s. 3d. per lb., ex store, as to quantity.

quantity.

BISMUTH SALTS.—Makers' scales of prices continue steady. Carbonate, not less than one cwt., 6s. 6d.; 28 lb., 6s. 9d.; 8 lb., 7s. 3d.; 4 lb., 8s.; less than 4 lb., 8s. 6d. per lb.

BROMIDES.—Makers' scales of prices steady. Potassium, B.P., five cwt., 1s. 8d.; one cwt., 1s. 9d.; 28 lb., 2s. per lb. Sodium, B.P., five cwt., 1s. 10d.; one cwt., 1s. 11d.; 28 lb., 2s. 2d. per lb. Ammonium, B.P., five cwt., 1s. 11d.; one cwt., 2s.; 28 lb., 2s. 3d. per lb., net. Resale clause applies, 28-lb. parcels, and one-cwt. cases free. Export quotations are maintained, as follows: Potassium, B.P., five cwt., 1s. 4d.; one cwt., 1s. 4½d. Sodium, B.P., five cwt., 1s. 5d.; one cwt., 1s. 5½d. Ammonium, B.P., five cwt., 1s. 6½d.; one cwt., 1s. 7d. per lb., f.o.b.

Chloral hydrate.—Home makers' scale of prices continues steady.

CHLORAL HYDRATE.—Home makers' scale of prices continues steady: duty paid crystals, in 14-lb. free containers, five cwt., 3s. 2d.; one cwt., 3s. 3d.; 28 lb., 3s. 4d. per lb.; 28-lb. jars, one penny per lb. extra.

Chloroform.—Makers' prices steady: two cwt., 2s. 5½d. per lb.; one cwt., 2s. 6d.; 56 lb., 2s. 6½d.; less, 2s. 7½d. per lb., in w-quarts of 8 lb. Packed in drums, ½d. per lb. less. Small bottles extra, from 5d. per lb. for ½-lb. bottles to 1d. for 2-lb. bottles. Carriage paid on minimum cwt. lots.

CITRIC ACID (B.P. CRYSTALS).—Values are fully steady: British material quoted at is. per lb., less 5 per cent. discount, nominal and without engagement. Dealers' prices for imported material are competitive.

CREAM OF TARTAR.—Market continues steady, fair business: British material, 99 to 100 per cent., 92s. per cwt., less $2\frac{1}{2}$ per cent. discount. Dealers' prices for foreign material competitive.

CREOSOTE (B.P.).—Bulk quantities in 25-kilo carboys quoted at about 1s. 6d. per lb.; smaller packings from 1s. 7½d. to 1s. 10½d. per lb.

-Makers and holders of spot stocks are firm in their prices and prefer to sell in limited quantities. Hydrochloride, 8s. 6d. to 9s.; alkaloid, 11s. to 11s. 6d. per oz., as to quantity and seller.

GLYCEROPHOSPHATES.—Makers' prices steady. Acid calcium (soluble), 28 lb., 4s. 6d.; 7 lb., 5s. Neutral calcium, B.P.C., 28 lb., 4s. 6d.; 7 lb., 5s. Potassium, 75 per cent., 28 lb., 2s. 9d.; 7 lb., 3s. 3d. per lb.; 28-lb. tins free, other packing extra.

Guaiacol Carbonate.—A limited business reported with quotations at about 9s. per lb.

Iron Quinine Citrate.—Makers' prices are as follows: not less than 100 oz., 10½d., in 100-oz. tins; 10åd., in 25-oz. tins; 11d., in 16-oz. bottles; 11½d., in 4-oz. and 8-oz. bottles; 1s. o½d., in 1-oz. bottles; less than 100-oz. lots, from 11d. to 1s. 4d. per oz., according to packing and quantity.

LACTIC ACID (B.P.).—Fair business reported: quantities in carboys, is. $4\frac{1}{2}$ d. to is. $5\frac{1}{2}$ d.; in winchesters and bottles, is. 6d. to is. $10\frac{1}{2}$ d. per lb., as to quantity.

MAGNESIUM CARBONATE (B.P. HEAVY).—Makers' scales of prices continue at the recent advance. Contracts: five cwt., 65s. per cwt., less rebate, 2s.; ten cwt., 65s., less rebate 3s.; 1 ton, 63s., less rebate 2s.; 5 tons, 63s. per cwt., less rebate 3s. per cwt. No fall clause. 5 tons, 63s. per cwt., less rebate 3s. per cwt. No fall clause. Resale clause applies. Distributors' prices for small parcels: 14 lb., 9½d.; 28 lb., 8½d. per lb., 28-lb. parcels, packing free.

MERCURIALS.—Makers' scales of prices for these salts are unchanged, CHLORIDE, B.P. (CALOMEL).—One cwt., 5s. IId.; less than one cwt., from 6s. per lb.

METHYL SALICYLATE.—Business remains rather quiet: makers' prices continue unchanged: spot, ten cwt., is. $1\frac{3}{4}d$.; five cwt., is. 2d.; one cwt., is. $2\frac{1}{4}d$.; less than one cwt., is. $2\frac{1}{2}d$.; small quantities, in bottles, up to 2s. per lb.

METHYL SULPHONAL.—Market is competitive, business small; two cwt., 19s. 3\frac{3}{4}d.; one cwt., 19s. 9\frac{1}{4}d.; 56 lb., 20s. 2\frac{3}{4}d.; small parcels, 20s. 8d. per lb.

Paraformaldehyde.—Occasional small business: 100 per cent. powder, quantities in kegs, 1s. 1d. to 1s. $1\frac{1}{2}d$.; smaller parcels, up to 1s. $4\frac{1}{2}d$. per lb., as to quantity.

Paraldehyde.—Quantities in demijohns about is. id. and smaller lots in winchesters about is. 4d. to is. 6d. per lb.

PEPSIN.—Prices for the 1/2,500 steady at the recent advance with 50 lb. or less quoted at 10s. per lb. net, ex store.

PHENACETIN.—The home trade price continues unchanged: crystals or powder, bulk quantities, 2s. 6d.; smaller parcels, 2s. 7d. up to 3s. per lb., as to quantity.

PHENAZONE.—The scale of prices for this product continues at the reduction notified last week: two cwt., 6s. 2½d.; one cwt., 6s. 5d.; less than one cwt., 6s. 8d. per lb. Powder, 2½d. per lb. extra.

Phenazone salicylate (Salipyrin).—The scale of prices continues at the reduction notified last week: two cwt., 7s. 7d.; one cwt., 7s. 9_4^4 d.; less than one cwt., 7s. 11_4^4 d. per lb.

Phenolphthalein.—Quoted unchanged: two cwt., 2s. 9d.; one cwt., 2s. 1od.; 28 lb., 3s.; 14 lb., 3s. 1d.; 7 lb., 3s. 2d.; smaller parcels, up to 3s. 6d. per lb.

PHENYLETHYLBARBITURIC ACID.—Small quantities in bottles are quoted in the region of 23s. per lb., in 2-lb. bottles.

Photographic Chemicals.—Amidol.—28 lb., 7s. 6d.; 14 lb., 8s. 3d.; 7 lb., 9s.; under 7 lb., 1ts. 9d. per lb., in 1-lb. bottles. Chlorquinol.—1-lb. bottles, 21s. per lb. Glycin.—7 lb., 1os. 6d.; 1-lb. bottles, 13s. 6d. per lb. Hydroquinore.—56 lb., 4s. 10\frac{1}{2}d.; 28 lb., 5s.; 14 lb., 9s. 3d.; 7 lb., 5s. 6d.; 1-lb. bottles, 6s. 6d. per lb. Metol.—28 lb., 9s. 6d.; 14 lb., 9s. 9d.; 7 lb., 1os. 9d.; 3 lb., 1ts. 6d.; 1-lb. bottles, 12s. 6d. per lb. Alum (photographic quality).—1 cwt., 21s. per cwt., 28 lb. for 6s. Gold Chloride.—15-grain tubes, 45s. per doz. Macnesium powder.—1os. per lb. Paramidophenol hydrochlor.—8s. 6d. per lb. Potassium ferricyanide.—14 lb., 2s. 2d.; 7 lb., 2s. 4d.; 1 lb., 2s. 6d. per lb. Potassium metable.—14 lb., 2s. 2d.; 7 lb., 2s. 4d.; 1 lb., 2s. 6d. per lb. Potassium metable.—14 lb., 1s. per lb. Pyrogallic acid cryst., 28 lb., 6s. 9d.; 7 lb., 1td.; 1 lb., 1s. per lb. Pyrogallic acid cryst., 28 lb., 6s. 9d.; 14 lb., 7s. 6d.; 7 lb., 8s. 3d.; under 7 lb., 8s. 9d. per lb. Sodium (carbonate recryst.).—5 cwt., 12s. 6d. per cwt., 1 cwt., 15s. 6d. per cwt.; 56 lb. for 11s. 6d.; 28 lb. for 6s. Sodium sulphide (pure).—7 lb., 1s. 3d.; 1 lb., 1s. 6d., per lb., bottles and jars charged extra and non-returnable. Sodium sulphite, recryst.—One cwt.; 56 lb. for 13s. 6d.; 28 lb. for 7s.

Potassium permanganate (B.P.).—A fair amount of small business

Potassium permanganate (B.P.).—A fair amount of small business reported: spot, bulk quantities, in drums, 8½d. to 9½d.; druggists' parcels, from 10d. to 1s. per lb.

Potassium sulphoguaiacolate.—Dealers' spot prices are in the region of 6s. $1\frac{1}{2}d$. to 6s. 3d. per lb., as to quantity.

QUININE SALTS.—Convention prices continue unchanged: sulphate, 2s. 2d.; bisulphate, 2s. 2d.; ethyl carbonate, 2s. 9\(\frac{3}{2}\)d.; salicylate, 2s. 10\(\frac{3}{2}\)d.; hydrochloride, 2s. 8\(\frac{3}{2}\)d.; bihydrochloride, 3s.; hydrobromide, 2s. 8\(\frac{3}{2}\)d.; bihydrobromide, 3s.; valerianate, 3s.; hydrophosphite, 4s.; alkaloid, 3s. 10\(\frac{3}{2}\)d. per oz., carriage paid on bulk quantities; 100-0z. tins free, smaller packages extra.

RESORCIN.—British material only available: crystals, one cwt., 4s. 11d.; 56 lb., 5s.; 28 lb., 5s. 1d.; 14 lb., 5s. 3d.; 7 lb., 5s. 6d.; less than 7 lb., up to 6s. 6d. per lb.

ROCHELLE SALTS.—Makers' prices are steady:-

_	Pulv. Sod. Pot. Tart. B.P.	Pulv. Seidlitz	Double Seidlitz			
Under 1 cwt Under 5 cwt Over 5 cwt. in one delivery	Per cwt. s. d. 85 0 82 6 80 0	Per cwt. s. d. 63 o 66 3 64 3	Per cwt. s. d. 75 6 73 3 71 0	۰		

Soda. pot. tart. cryst. at 2s. 6d. per cwt. extra to powder, net, 14 days. Special prices for quantities. Contracts accepted subject to a rise and fall clause.

Saccharin.—The Convention price for 550 is 37s. 6d. per lb., duty paid, with rebates for quantities.

Salicylic acid (B.P.).—Business remains quiet, quoted unchanged: five cwt., is. 7d.; i cwt., is. 7½d.; 28 lb., is. 8d.; i4 lb., is. 9d.; 7 lb., is. iod.; 4 lb., 2s. per lb.

SAIOL.—Market continues competitive: crystals in the region of 2s. 7d. to 3s. per lb., as to quantity.

Santonin.—Inquiry continues fair and spot values appear to be steady in the region of £9 to £9 ios. per kilo, as to quantity.

SODIUM BENZOATE (B.P.).—Steady at competitive prices: bulk quantities, is. 6d.; one cwt., is. 7d.; smaller parcels, is. 7dd. up to 2s. per lb., as to quantity.

SODIUM DIETHYLBARBITURATE.—Home makers' prices steady: one cwt., 11s.; 28 lb., 11s. 3d.; 14 lb., 11s. 6d.; 7 lb., 11s. 9d. per lb., with higher prices for smaller quantities.

Sodium salicylate (B.P.).—Not much business moving, quoted unchanged: home trade, crystals or powder, five cwt., is. 5½d.; one cwt., is. 6d.; 28 lb., is. 9d.; 14 lb., is. iod.; 7 lb., 2s.; i lb., 2s. 3d. per lb.

Sulphonal.—Competition for a limited business: crystals or powder, two cwt., 15s. $5\frac{1}{4}$ d.; one cwt., 15s. $10\frac{3}{4}$ d.; 56 lb., 16s. Id.; smaller parcels, up to 16s. $7\frac{1}{2}$ d. per lb.

TARTARIC ACID (B.P. CRYSTALS).—Market continues steady: British makers quote at 1s. 1½d. per lb., less 5 per cent discount. Dealers offering foreign material at competitive prices.

THEOBROMINE.—Prices for Continental, pure, two cwt., 7s. rod.; one cwt., 8s.; 56 lb., 8s. 2d.; smaller quantities, 8s. 4d. per lb.; sodium salicylate, two cwt., 6s. 3\frac{1}{4}d.; one cwt., 6s. 4\frac{1}{2}d.; 56 lb., 6s. 5\frac{1}{4}d.; smaller quantities, 6s. 6\frac{1}{4}d. per lb., delivered; five-lb. tins free; smaller packages extra.

THYMOL.—Synthetic, fine white, one cwt., 6s.; 56 lb., 6s. 4d.; 28 lb., 6s. 9d.; less than 28 lb., 7s. 6d. per lb., tins extra; ex ajowan seed, one cwt., 8s. 5d.; 56 lb., 8s. 10½d.; 28 lb., 9s. 5½d.; 14 lb., 10s. 6d. per lb.

Vanillin.—Convention scale of prices: ex clove oil or guaiacol, five cwt., 12s. 9d.; one cwt.; 13s.; 56 lb., 13s. 3d.; less, 13s. 9d. per lb.

Crude Drugs, etc.

AGAR.—Fair spot business, with prices still cheap compared with shipment figures, which are dearer: spot, Kobe No. 1, 4s.; No. 2, 3s. 8d. to 3s. 9d.; Yokohama No. 1, 3s. 9d. per lb.; shipment, Kobe No. 1, 3s. $6\frac{3}{4}$ d.; No. 2, 3s. $4\frac{1}{2}$ d.; Yokohama No. 1, 3s. 3d. per lb., c.i.f. New crop, January-February shipment, has been reported done at 2s. $7\frac{1}{2}$ d. per lb., c.i.f., for Kobe No. 1. Editorial comment on p. 279.

ALDES.—Moderate business in Curação at firm prices. No shipment offers this week. Cape quiet and unchanged: Cape, spot, 63s. to 64s., as to quality; shipment, 62s. 6d. to 63s. per cwt., c.i.f. Curação, spot, 115s. for coarse blacks up to 14os. for livers; shipment nominal, last quotation about 117s. per cwt., c.i.f.

Antimony.—At the further advance the market is firm: English regulus, £92 ios. to £93 ios. Chinese crude, spot, £45; shipment, nominal.

ARNICA FLOWERS.—Small business, with spot parcels at about is. 3d. per lb., ex store.

Balsams.—Market is fully steady, business rather quiet: Tolu, is. 102d.; Canada, 3s. 6d.; Copaiba, 2s. 3d.; Peru, 5s. 6d. per lb., spot.

Belladonna.—Dealers report small spot business: leaves, 55s.; root, 45s. per cwt., spot. High-testing root appears to be short pending arrival of new crop.

Benzoin.—Small routine business only: Sumatra, seconds, 75s. to 85s. per cwt., as to quantity and seller. Siam, bean and pea, £26; pea, £20; grain, £15 per cwt., ex store.

Buchu.—A few bales reported sold on spot this week, with values fully steady. Rounds, 2s. to 2s. 3d., as to quality. Ovals, 1s. 1od. for yellowish up to 2s. per lb.; shipment dull but steady at 2s. per lb., c.i.f.

Burdock Root.—The spot market remains dull. Reports state that new crop is expected to be well below normal in quantity.

CAMPHOR.—Steady sales cortinue, and spot supplies are now running very low. Values are firm as quoted: Japanese manufacturing BB grade, £8 ros. per 100 lb. Japanese, spot, tablets, 2s. 7½d.; powder, 2s. 3½d.; slabs, 2s. 3½d. per lb., ex store; shipment, tablets, 2s. 3½d.; powder, 2s. Id.; slabs, 2s. 0¾d.; per lb., c.i.f.; English refined flowers, one cwt., 3s. Id.; 28 lb., 3s. 2d.; small lots, 3s. 3d. per lb. Transparent tablets, 4 oz., 8 oz., and 16 oz., 3s. 4d.; 1 oz. and 2 oz., 3s. 5d.; ½ oz., ¾ oz. and ¼ oz., 3s. 6d. per lb.

CANTHARIDES.—Some small sales reported: Chinese, 2s. 3d. to 2s. 4d. per lb., as to quantity; shipment, September-October, quoted at 1s. 9d. per lb., c.i.f.

CARDAMOMS.—With supplies very limited the market is fully steady, but quiet: spot, Aleppy greens, 4s. 6d.; bleached, if available, 6s. 4½d. per lb., ex store.

Cascara sagrada.—Business, spot and forward, seems to have been of little importance. Values are steadily maintained: shipment, 1937 peel, 46s. 6d. per cwt., c.i.f., with spot holders asking 58s. to 6os. per cwt.; 1934 peel, 65s. 6d.; 1935 peel, 67s. 6d. per cwt.

Chamomhes.—Prices indicated for new crop first white flowers are firm at about 160s. per cwt., but business has been negligible.

CLOVES.—Values level on the week, market rather quiet. Zanzibar, spot, 8\frac{2}{3}d.; shipment, August-September, 7\frac{2}{3}d. per lb., c.i.f., Madagascar, in bond, 8d.; shipment, August-September, 7\frac{2}{3}d. per lb.,

The landings of Zanzibar in London during the week ended August 28 were 50 and the deliveries 44, leaving a stock of 3.773. From January 1 to date the landings of Zanzibar have been 5.047 and the deliveries 2.980. Landings of Madagascar for the week ended August 28 were nil, and the deliveries 115, leaving a stock of 4.396. From January 1 to date the landings of Madagascar have been 5,267 and the deliveries 2,131 packages.

COCOA BUTTER.—Market has been quiet. Prime English, 11½d. to 1s. Id. per lb. Foreign, 11d. to 1s. per lb., as to quantity.

COCONUT (DESICCATED).—Market steady, business quiet: spot, fine 225. 3d.; medium, 215. 3d. per cwt.; shipment, halves, September-October, 205. 9d. per cwt., c.i.f.

COD-LIVER OIL.—Bergen reports shipment market continues fully steady with a fair business moving: finest Lofoten steam refined, nonfreezing medicinal oil, 103s. to 104s. per barrel, c.i.f. London. Small lots, on spot, about 135s. per barrel, ex store, duty paid. British finest medicinal oil is quoted at 110s. per barrel, delivered U.K., with rebates for 25, 50 or more barrels.

CELERY SEEDS.—Reports from France state that increased taxation tends to harden prices. Spot, in bulk, about 90s. per cwt., ex store.

COLOCYNTH.—Supplies of pulp are being quoted from 1s. 3d. to 1s. 6d. per lb., as to quality and quantity. Business rather slow.

Derris root.—Inquiry is poor. Spot quoted from about 81d. to is. 4d., as to quality; shipment, basis 17 per cent., ether extract, 7d. per lb., c.i.f.

ERGOT.—Generally quiet market with conditions too uncertain to allow much activity. Shipment offers of Portuguese from 4s. 10\frac{1}{2}d. to 5s. 1\frac{1}{2}d. per lb., c.i.f. Portuguese, spot, 6s. No reliable offers of Spanish.

GENTIAN.—Spot values are keeping fully steady in the region of 48s. 6d. to 50s. per cwt., for good clean root, as to quantity.

GINGER.—At the better prices West African is steady. Spot, 57s.; for arrival, 54s. per cwt., c.i.f. Jamaican, spot, bold in barrels, 87s. 6d.; small grinding, in bags, 62s. 6d. per cwt., ex store.

Gum acacia.—Market is still dominated by cheap spot sellers. Kordofan, cleaned sorts, spot, 54s.; shipment, 53s. 6d. to 54s. per cwt., c.i.f.

Henbane.--Sales of small spot parcels at about 75s. per cwt., ex store.

Henna.—Quoted unchanged on spot: Egyptian, green leaves, 35s. 6d.; brown, 32s. 6d. per cwt., ex store.

Honey.-Inquiry continues on a good scale for all descriptions and, as quoted, the market is firm: spot, Jamaican, dark manufacturing, 37s. up to 48s. for pale set. Californian, white clover, 50s., duty paid. Canadian, white set, nominal at 51s. per cwt., with no supplies available, ex store. No Cuban, Mexican or Haiti.

Hydrastis.—Market is steady, but quiet: spot, 13s. 3d.; shipment, new crop, 12s. 6d. per lb., c.i.f.

IPECACUANHA.—The remaining small stocks of good test root are quoted dearer and firmly held. Matto Grosso, B.P. test, 8s. 4½d. per lb. The recent shipment offer at 7s. 6d., c.i.f., has been cancelled and 7s. 9d. per lb., c.i.f., is now wanted.

Kola nuts.—Steady, in small supply: West Indian, halves, 4½d.; African, 3½d. per lb., ex store.

LIQUORICE ROOT.—Spot supplies of good natural root at 12s. 6d. per cwt. Good decorticated is short on spot; medium quality offering at 37s. 6d. per cwt., ex store.

LOBELIA HERB.—Quiet market, with spot offers of bulk quantities at about 5½d., and small lots, 6d. per lb., ex store.

LYCOPODIUM.—Occasional spot business. Spot, about 5s. per lb.,

Manna.—Dealers are quoting small parcels of finest selected at 3s. 6d. per lb., in I-lb. tins.

MENTHOL.—The Japanese product has again met with a good spot demand and, with supplies available limited, prices are fully steady. K/S brands, 13s. 9d. to 14s., as to seller; in bond, 11s. 9d. to 12s. Japanese shippers quoting September-October, 11s. 9d., and October-November, 11s. 6d. per lb. October-December is rather easier at 10s. 6d., c.i.f. There has been a good demand from France and Germany for affoat oil this week.

Mercury.—Market is steady at former values. Quoted at about 67 dollars per bottle, f.o.b., Continent; spot, about £13 12s. to £13 12s. 6d. per bottle, ex store.

OPIUM.—Average spot sales, market steady. Turkish, original cases of 170 lb., 12½-13 per cent., 1s. 1¼d.; Persian, 12 per cent., 1s. 1d. per unit, landed and duty paid.

Orange prel.—It is reported that bitter quarters are unobtainable. Thin cut Tripoli remains quoted at 1s. 1d. to 1s. 2d. per lb., ex store.

Orris root.—Some good bold selected available at about 30s. per cwt. Other grades range from 27s. upwards, ex store.

Pepper.—Recent improved values maintained, market quiet. Lampong, in bond, 3½d.; shipment, September-October, 3½d.; October-December, 3½d.; January-March, 3½d., c.i.f. Tellicherry, spot, 4\dd.; shipment, September-October, 37s. 6d., c.i.f. Aleppy, spot, 4d.; shipment, September-October, 36s. 6d., c.i.f. White Muntok, in bond, 6d.; shipment, September-October, 4\dd.; October-December, 4\dd. per lb., c.i.f.

PIMENTO.—At the sharp advance the market is firm. Spot, 8d. per lb.; shipment, September-October, 72s. per cwt., c.i.f.

RHUBARB.—Further advances in spot values of Shensi and Rough Round descriptions recorded. Holders are now very reserved, and not inclined to make firm offers. See editorial comment on p. 279.

Rubber.—With values about level on the week, business has been quiet. Standard ribbed smoked sheet, spot, 8½d.; September, 8½d.; October, 8½d.; November, 9d.; December, 9d.; January-March, 9½d.; April-June, 9¾d. per lb.

Saffron.—First-hand importers holding stocks of genuine Valencia are quoting steadily at about 75s. per lb., ex store.

SEEDS.—ANISE.—Bulgarian, 42s.; Spanish, 57s. 6d., spot, duty paid. Canary.—Spot, duty paid: Mazagan, 22s.; Plate, 20s.; Turkish, 19s. 6d.; Spanish, 30s. to 45s. Caraway.—Dutch, 36s., spot, duty paid; 30s. quoted f.o.b. Holland. Coriander.—Morocco, on spot, are firm at 27s., duty paid. For shipment, 25s., c.i.f., is quoted; no business reported at this price. Cumin.—Spot, Malta, 46s. 6d., duty free, and Morocco, 45s., duty paid. Fenugreek.—Morocco is 13s. 9d., spot, duty paid. Mustard.—English is 23s. to 34s., per cwt., according to quality. ing to quality.

Senega.—Market has been quiet, with values unchanged. Spot, 2s. 3d. per lb.; shipment, new crop, 2s. 1d. per lb., c.i.f.

Senna.—Rather more inquiry this week, with more business re-SENNA.—Rather more inquiry this week, with more observed sulting. Values are steady at former figures. Tinnevelly leaves of good green quality are quoted on spot as follows: Bold at 7d.; No. 1 at 5½d.; No. 2 at 3¾d.; No. 3 at 2¾d.; No. 4 at 2¼d. per lb. ALEXANDRIAN.—Hand-picked pods are offered on spot at the follows: ing rates: Finest selected, 4s. 9d. to 5s.; No. 1, 3s. 6d. to 4s.; No. 2, 2s. 6d. to 2s. 9d.; No. 3, 1s. 9d. to 2s.; low grades, 1s. to 1s. 6d. per lb., ex wharf, London.

SHELLAC.—Values are easier on the week, market quiet. Spot, Standard IN orange, 46s. to 49s.; fine orange, 6os. to 105s.; pure button, 57s. 6d. to 6os. per cwt. For delivery, TN, October, 46s.; December, 47s. For arrival, TN, September-October, 43s. 6d. per cwt., c.i.f.

SQUILL.—Spot holders of new crop quote from 25s. to 27s. 6d. per cwt., as to quality and quantity.

TONKA BEANS.—Occasional small spot sales: fair frosted Para beans quoted on spot at about 3s. 2d. to 3s. 3d. per lb.; shipment, 2s. 5d.,

Tragacanth.—Rather more interest shown in first and second grades with spot values well maintained at former figures.

TURMERIC.—It is difficult to locate any supplies of Madras finger, value nominal. Supplies of Rajapore, most of which tends to be slightly wormy, are quoted in the region of 30s. per cwt., ex store.

Wax.—Dar-es-Salaam is again firmer. Other descriptions steady, but in rather slow demand. Calcutta, bleached spot, 147s. 6d.; shipment, September-October, 143s.; ordinary quality, spot, 120s.; shipment, September-October, 110s., c.i.f. Abyssinian, 122s. 6d., in bond; shipment, September-October, 110s., c.i.f. Benguella, spot, 122s. 6d.; shipment, September-October, 112s., c.i.f. Conakry, spot, 120s.; shipment, 115s., c.i.f. Dar-es-Salaam, spot, 130s.; shipment, 115s., c.i.f. Dar-es-Salaam, spot, 130s.; shipment quotations are being maintained. Fatty grey, spot, 175s.; shipment, September-October, 123s. per cwt., c.i.f. CARNAUBA.—Snipment quotations are being maintained. Fatty grey, soot, 175s.; shipment, afloat 168s., c.i.f.; September, 166s.; October-November, 163s.; November-December, 160s., c.i.f. Chalky grey, spot, 170s.; shipment, new crop, 160s., c.i.f. Primeira, spot, good quality, 220s.; f.a.q., 215s.; shipment, September-October, 200s., c.i.f. Mediana, spot, 210s.; shipment, 202s. 6d., c.i.f.

Essential Oils, etc.

Business has been only moderate in the aggregate, with just a few lines receiving brisk inquiry. Anise (Star) is again sharply dearer and now scarce on spot. Sicilian oils remain dull. Japanese peppermint is fully steady and short on spot; distant shipment positions slightly easier.

Almond.—Business quiet, with foreign expressed oil at keen prices: English-made, cwt. lots, 3s.; smaller parcels, up to 3s. 6d. per lb.; foreign, cwt. lots, 2s. 1od.; smaller parcels, up to 3s. 3d. per lb.; French, bitter, 6s. to 6s. 3d. per lb.

Anise (STAR).—During the past week there has been active inquiry, ANISE (STAR).—During the past week there has been active inquiry, and values for all packings show a further sharp advance, with spot holders limiting their sales mostly to consumers and releasing limited quantities. No shipment offers. The quantity afloat is believed to be very limited. It is reported that 4s. has been paid for drums and up to 4s. 3d. for tins in cases. Leads are nominal, with no supplies located here. The Mincing Lane market is quite bare of supplies of supplies.

Bay.—Quoted unchanged, business slow: 49 to 50 per cent., 4s. $7\frac{1}{2}$ d. to 4s. 9d.; 59 to 60 per cent., 4s. 9d. to 4s. $10\frac{1}{2}$ d. per lb., as to quantity.

BERGAMOT.-Market has remained dull on spot, with quotations varying in the region of 14s. 9d. to 15s. 9d. The shipment market is reported quiet, but values are maintained; quoted from 15s. 3d. to 16s. 3d. per lb., c.i.f., as to shipper.

Bois de Rose.—Occasional spot sales, with Brazilian oil steady at 6s. for drums, up to 6s. 6d. for small lots. No reliable shipment offers.

CAJUPUT.--The recent advances in values are fully maintained: B.P., 2s. 9d. to 3s. per lb., as to quantity; shipment is firm at 2s. 4d. per lb., c.i.f.

Cananga.—Market remains dull and unsteady on quotation: spot,

6s. rd. to 6s. 4d., as to quantity; shipment, about 6s. per lb., c.i.f. Caraway.—Dutch interests report oil may go dearer on account of firmer tone in the seed market; Dutch rectified, 7s. 9d.; crude, 7s. 4d. per lb., landed and duty paid.

Cassia.—Holders of good quality oil on spot are firm at 3s. for leads, and some quotations are up to 3s. 6d.; shipment, nominal.

CEDARWOOD.—Not much business, with values quoted unchanged: African, in drums, 1s.; smaller packages, up to 1s. 3d. per lb.; American, in drums, 1s.; smaller packages, up to 1s. 3d. per lb.

CINNAMON LEAF.—Ceylor oil on spot is at about 3s. 8d.; shipment, 3s. 2d. per lb., c.i.f.

CITRONELLA.—Actual business is reported small, while shipment values are about level on the week. The Java product is rather disturbed. Ceylon, spot, drums, 1s. 9d.; smaller parcels, up to 2s.; shipment, drums, 1s. 6½d. per lb., c.i.f.; Java, spot, drums, 2s. 1d. to 2s. 1½d.; smaller parcels up to 2s. 6d.; shipment, drums, 1s. 11½d. per lb., c.i.f.

CLOVE.—Japan is reported to have bought heavily in Madagascar: Madagascar, spot, drums, nominal; smaller packings, up to 4s. 9d. per lb.; shipment, 3s. 2½d. per lb., c.i.f., if available. English distilled oil, cwt. lots, 5s. 6d.; smaller parcels, up to 5s. 9d. per lb.

EUCALYPTUS.—This market continues firm with only distant posi-ECCALTRICS.—Inis market continues firm with only distant positions quoted for shipment. Australian, 70 to 75 per cent., 1s. 8½d. reported paid, in drums; 1s. 9½d. reported paid, in tins; 80 to 85 per cent., 1s. 10½d. per lb., in drums, if available; higher prices for small lots on spot. Shipment, 70 to 75 per cent., 1s. 6d. in drums; 1s. 6½d. in tins; 80 to 85 per cent., 1s. 7½d. per lb., c.i.f. for September-October shipment.

Geranium.—Practically no interest in this oil, with values for Bourbon and Algerian nominally unchanged.

GINGERGRASS.—A shipment offer at the high figure of 8s. per lb., c.i.f., is reported.

Grape-fruit.—Fair demand for smallish quantities: Florida, 11s. to 12s. per lb.; Californian, 10s. 6d. to 12s. per lb., as to quantity.

Ho (Shiu).—Spot supplies are restricted in quantity and firmly held, with "improved" quality at about 3s. 6d. per lb., in drums. JUNIPER BERRY.—Occasional business, market steady: B.P. quality, 3s. 6d. to 4s. per lb., as to quantity.

LAVENDER.—First-hand importers state they are still without quotations for new crop. It seems that the primary market is considered to be somewhat inflated and buyers are holding off.

Lemon.—The market handling Sicilian hand-pressed oil seems to be going all to pieces, due, very largely, to persistent lack of normal demand in this market and at the source. On spot, quotations would range from about 10s. to 11s. 9d., as to quality and seller. Shipment offers this week have been received down to 10s. 6d., c.i.f., while others remain at 11s. 3d., c.i.f. Machine-made oil quoted at 9s. 9d. to 10s., c.i.f. A limited quantity of Californian cold-pressed oil is offered here at 8s. 9d. per lb., in cases, ex store.

LEMONGRASS.—The shipment market is reported to be a little steadier but business remains quiet: spot, 1s. 8d. to 1s. 1od., as to quantity; shipment, 1s. 64d. per lb., c.i.f.

Mandarin.—Some small spot business, with best-quality oil fetching up to 24s. 6d. per lb.; shipment, quoted at about 23s. 6d. per lb.,

Musk.—Dealers report that practically all stocks in London have been sold. It is reported that a limited quantity has been offered from Paris at a very high figure.

Neroll.—Importers' prices for new crop perfumers' quality is steady t 27s. 6d. to 30s. per oz. Inferior grades range from 18s. to 24s. at 27s, 6d, to per oz., landed.

NUTMEG.—The American oil seems to be barely competitive, is quoted at about 5s. 72d. to 5s. 9d. per lb., as to quantity.

Orange.—French Guinea oil is being freely offered on spot, but the demand is only moderate. Sellers of drums from 5s. 4½d. to 5s. 6d. per lb., and smaller quantities up to 6s. per lb. Shipment of no interest; quotations at about 4s. 8d. per lb., c.i.f. Tanganyika bitter oil, in drums, 8s. per lb., ex store. Californian, small drums, 4s. 2½d.; tins in cases, 4s. 3½d.; single cases, 4s. 6d. per lb., ex store.

-Fair business on spot, which has been restricted by PEPPERMINT.—Fair business on spot, which has been restricted by the comparatively small stocks available. It is reported that up to 5s. id. has been paid for spot oil. Japanese shippers quote September at 4s. 9d., c.i.f., while the October-December position is quoted slightly easier at 4s. 6d., c.i.f. Resellers of August-September at 4s. 8d. and 4s. 9d. and October-December at 4s. 3d. per lb., c.i.f. The American natural oil in drums is stated tending firmer owing to continued reports of very poor oil yield by farmers, some as low as 7 lb. to the acre. Business has been done in one of the best brands up to 2 dollars 50 cents per lb., c.i.f.

Petitgrain.—Modest sales at former spot values: spot, 4s. 3d. to 4s. 4d.; shipment, 4s. 12d. per lb., c.i.f.

ROSEMARY.—Good quality Spanish oil is held steadily, small business: 3s. 6d. to 4s. 3d. per lb., as to quality and seller.

Sandalwood.—Genuine East Indian Mysore, in one-case lots on spot, 19s. per lb. Oil described as East Indian is dearer at 17s. 6d. per lb., c.i.f., for bulk quantities. English-made East Indian, 22s. 6d. to 25s. per lb., as to quantity. English-made West Indian, 7s. 3d. per lb. Australian, steady at 5s. 3d. per lb. for 7-lb. tins; one case at 14s. 9d. and five cases at 14s. 6d. per lb.

Sassafras.—Dealers' prices are steady, with natural oil about 3s. 7d. to 3s. 9d. per lb.

Spearmint.—Spot and forward prices continue to vary as to brand; spot, 8s. 6d. to 9s., in cases; shipment, 7s. 7½d. to 8s. per lb., c.i.f.

SPIRE.—Some holders of the finest quality Spanish oil are not sellers at less than 5s. 6d. per lb., and up to 6s. for small lots. Other offers range from 5s. upwards, as to quality.

Wormseed.—Market has remained rather quiet; spot, U.S.P. quality, 118. 9d. to 118. 10½d.; shipment, about 118. 4d. per lb., c.i.f.

Commercial Notes

MEXICAN LIME OIL.—Lime producers and exporters in Colima are optimistic as to prospects for the 1937 season. One of the principal firms estimates this year's crop at 15 to 20 per cent. greater than the 1936 crop, which was estimated at about 120,000 boxes (of about 60 lb. each). During 1936 exports of essential oil of lime to the United States were estimated at \$36,000. Exports to the United States during March, April, May and June 1937 amounted to 11,125 lb., valued at \$26,220. June exports equalled those made in the three preceding months.

Curação Aloes.—A serious situation is reported in Aruba and CURAÇÃO ALOES.—A serious situation is reported in Aruba and Bonaire, with the crop severely depleted owing to continued drought. It is estimated that the lack of rainfall may reduce the anticipated yield of 5,500 cases (125 lb. each) by almost half. As a result of the shortage prices per case have risen, ranging at present from \$0.17 to \$0.20, c.i.f. New York, as compared with \$0.14 to \$0.16 three months ago, and there is a strong upward tendency. During the past six months 1,200 cases have been shipped from Aruba, of which 600 cases were from the reserve stock of the Adrian Lacle estate. The small holders in Bonaire are reported to have sold their stocks to European buyers.

TINNEVELLY SENNA CROP REPORT.—The following report is published in the "Indian Trade Journal," August 12, 1937:—To senna cultivators and merchants alike the situation at the beginning of the season looked promising. All hopes for a full crop have, however, been frustrated by an acute shortage of sub-soil and irrigation water during June-July owing to the failure of rain in the senna district since May which has had an adverse effect on both quality and yield. A certain shortage in good green qualities made itself felt, and this certain shortage in good green qualities made itself left, and this accounts for the present firm market. Prices ruled throughout higher than at the same time last year. Exports from March 1, 1937, to June 30, 1937, show an increase of about 1,000 bales, equal to approximately 3,500 cwt., over the same period in the previous season, which is due solely to the heavy June shipments to America of the bulk of the Tinnevelly leaves of first picking. The figures for July will be notably smaller than last year on account of the unfavourable crop conditions during June. Exports from March 1, 1937, to June 30, 1937, as compared with the corresponding period favourable crop conditions during June. Exports from March 1, 1937, to June 30, 1937, as compared with the corresponding period in the previous year, were as follows:-

					1937 - Cwt.	1936 Cwt.
Europe			 	 	13,976	13,979
Americ	a		 	 	4,776	1,363
China			 	 	548	362
			 	 	584	200
Austral	1a		 	 	239	219
India			 ٠.	 ٠.	2,752	3,241
	Total.	CWT.			22.870	TQ. 364

French Guinea Orange Oil Exports.—Exports of orange oil from French Guinea during the first quarter of 1937 amounted to 118 metric tons, against 107 tons in the corresponding period of 1936. Production has increased steadily since 1932, when 77 tons were exported. In 1936 exports reached 233 tons. The preparation of the oil is entirely a crude hand process. The method employed is capable of producing a good-quality oil. The greater part of the exports go to France, although other European countries and the United States are purchasers. Shipments for the last five years amounted to:—1032, 77; 1933, 103; 1934, 136; 1935, 210; 1936, 336 metric tons. With improved quality, returns have increased, the exports of 1935 bringing an average of 8,162 francs per ton. The 1936 shipments averaged 14,716 francs per ton. French Guinea Orange Oil Exports.—Exports of orange oil from

Correspondence

Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor

Pharmacy and the State

SIR,—May I thank "Observer" for his kind remarks in his letter (C. & D., August 28, p. 265)? I thank him for pointing out that I have omitted the Scottish Pharmaceutical Federation from my chart. As it is my wish to make this chart as complete as possible, I should be glad if any of your readers would let me know of any other organisation connected with pharmaceutical administration omitted from the chart as printed in your issue of August 21. I can agree with "Observer" that my proposals for subsidising rural pharmacies are open to very damaging criticism; but I think that, at least, they are worthy of consideration. "Observer" will note from the original article that I specifically stated "after consultation with the large multiple combines," should the proposed new by-laws be adopted. It is quite obvious that without the co-operation of these financial corporations, the difficulties of operation of such a scheme would be increased tenfold. "Observer" asks for a statutory minimum scale of professional fees; this, again, is recommended in the original article (p. 225, col. I, page 21). It is my opinion, however, that statutory powers, i.e., powers secured through Parliament, would be very difficult to obtain, and that only through the "corporate system" would it be possible for the Society to obtain such powers.—Yours faithfully,

F. C. WILSON.

Thornbury, Bradford.

A Close Time for Councillors

SIR,—May I place before your readers the following suggestion? . . . That all members of the Pharmaceutical Council, after six years in office, shall spend one year in the country, i.e., they shall not be eligible for re-election during that twelve months and thereafter every three years. The plea of continuity is a worn-out shibboleth. Twelve months in the country would do our councillors good and give them a little time to see and hear pharmacy from the ground-floor as well as from the clouds. It will infuse new blood into the body politic, break up and prevent ruts, grooves and caves from forming, allowing ventilation and knowledge of what is really happening and foreshadowed in the shaping of our destinies. Was it not the burden of the talk at the Liverpool Conference on the Birmingham resolution, "It is too late"? My contention is that it is not too late, and never will be too late, if individual members will make up their minds to commence to fight for their inalienable rights as pharmacists. One word more. In my letter a fortnight ago I mentioned that the Benevolent Fund was the only thing we have left to us of the Charter. May I plead with all those members throughout the country who have made no contribution this year to the fund to ascertain what is the average contribution for their district and forward that sum to the fund? . . . —Yours faithfully,

S. C. BLORE.

Birmingham, 11.

Branch Representatives' Meetings

SIR,—The reports of the meetings of the branch representatives at the Liverpool Conference show that there was considerable discussion on matters immediately affecting our interests, and that there are pharmacists who are very capable of discussing these problems; but whether the resolutions passed will result in anything tangible is another question. One of the chief obstacles to getting anything done is the lack of attendance by the general members at their local branch meetings. When a member of the Council goes to address a local branch and finds an audience of less than a dozen out of a possible 200 or more, he is not likely to gain the impression that any resolution sent up by that branch has much weight behind it. It is more likely to be the expression of opinion of a few members who form the officials of the branch. The mover of the resolution on representation in Parliament reminded us that the £10,000 subscribed went in a very short time; and although the members came forward with their subscriptions very well on that occasion, I doubt if they would do so again. Mr. F. C. Wilson gave particulars of the various interests which have direct representation: pharmacy could not hope to support so great a number. Another resolution called for a definition of the business of a chemist and druggist, and the discussion which followed raised the question of the ownership of a drug store by registered pharmacists. I should not have thought that chemists, who complain so much about the competition of unqualified dealers, would wish to run a drug store in addition to their registered premises; if it is worth while opening a branch, then it should surely be worth trying to keep it as a pharmacy. To define the business of a chemist and druggist would involve far wider issues. Lastly, there was the resolution dealing with the method of co-option to the Council, requiring the co-opted member to be the next in order on the list at the last election. The president put a very good case against this, but nobody put forward the obvious suggestion of holding a by-election. The one solid fact accomplished at the meeting was the election of five representatives to consult with the Organisation Committee; this is a step which may bring better co-operation and understanding.—Faithfully yours,

Conferenza (30/8).

A Manifesto

SIR.—The recent manifesto of the newly-elected Advisory Council of the National Election Committee is welcomed. The little Oldham movement, which first saw light at Bournemouth last year, may well grow from strength to strength if we all simply get interested in it, just give it that little necessary I think the subscription is is, per annum, and for this small sum I gather we shall be kept informed on "bread and butter" politics in pharmacy which affect us directly. The Committee consists of men who have no axe to grind simply plain work-a-day pharmacists like most of us; and under the chairmanship of our friend F. Newby, of Oldham, we can rest assured that, while there may be differences of opinion, at least we know that any hitting will be fair and square, and not below the belt. The business of this Committee, I presume, will be to weed out candidates who happen to be active shareholders in company drug concerns, and also those candidates who are likely to become converts to the prevailing gospel of extreme gradualism (i.e., talk a lot and do nothing), this defeatist policy which has cost pharmacy its independence. The Society should be independent of its independence. The Society should be independent of external control. The fact that capitalists in pharmacy helped themselves, and incidentally us, to defeat the recent recommendations of the Committee on the Medicine Stamp Acts will not, I hope, entitle them to a footing in our camp. I feel sure that the new Advisory Committee will be particularly vigilant in this direction. Statistics show that the individual chemist in business is fighting a losing battle. He can still be saved if the Society does not "wobble," and if it does—well, was it not the late lamented Glyn-Jones who first suggested a Pharmacy Board? Forward, Oldham!—Yours, etc., TEES-SIDER (1/9).

SIR,-I have read with interest the statement of policy issued by the Advisory Council of the National Election Committee (C. & D., August 28, p. 265), and I shall be more interested to see whether their recommendations are effective at the next election. Any method which will increase the number of voting papers returned must be welcomed. Incidentally, who elects the National Election Committee and its Advisory Council, and what proportion of the members of the Pharmaceutical Society do they represent? Lack of knowledge of the candidates is doubtless one reason why some members do not vote; to most of us the candidates are only names, and I do not see that the Advisory Council can do more than supply us with the same details as are usually published in the trade Press. Another reason, and probably a stronger one, why members do not vote is the one given on p. 245, that when elected the newly-fledged councillor has to fall into line, and so he cannot effect any of those radical changes he has promised his constituents. I note that candidates will be invited to meet the Advisory Council to lay before it such information regarding their qualifications to serve as councillors as they may decide. This procedure has been adopted by some of the branches in the past, who have invited candidates to address them, and some meetings have been held with the same object. There has also arisen the practice of sending out a questionnaire to candidates to elicit information on particular points. When a candidate fails to answer the questionnaire, or when he neglects to present himself to be cross-examined at a meeting, the branch issuing the invitation writes him off. But it does not follow that he is an unworthy candidate.—Yours truly,

VOTEX (31/8).

Unprofitable Branches

SIR,—Branch. pharmacies are often anything but profitable investments; it is often better to conserve the whole of one's energies in one good business than fritter them away in an endeavour to spread them over two or three. Branches are generally opened in country places a mile or more away from the parent shop, or they may be opened in a growing suburb of a fairly big town. The great difficulty with branches is to find the manager. If young he requires experience for a few years before starting his own business; if middle-aged he has sometimes been a failure in a business of his own and is glad to get into regular employment. The social amenities available to a branch manager are usually not too good—a deterrent to a man who might be inclined to settle down if these were better. A branch which will only pay the wages of a manager is a poor investment for the owner.—I am, etc.,

Goods in the Window

Sir,-The question asked in Parliament concerning the pricing of goods in shop windows (C. & D., July 17, p. 57) is reminiscent of an old controversy. Many members of the public believe that a shopkeeper is compelled by law to sell any article from the window at the price marked on it, and some persons are so particular, or mistrustful, that they will not accept a line unless it has actually been taken from the window. I have never hesitated to take any item from the window to satisfy the whims of customers. On one occasion an old gentleman insisted on having this done when buying a packed remedy of my own, and I had to get one out to show him it was a dummy package before he would accept one from the inside showcase. There are, however, some shops, generally of the fancy goods kind, which show one or two lines in their windows at bargain prices as a draw to customers. If one goes in to buy, every effort is made to induce one to take another line somewhat similar but not such good value as the one shown. In this case the customer always has the last word. It is not a practice which any chemist would indulge in, but there are times when a price ticket may become displaced or fall from one shelf to another; most customers will then accept the natural explanation, but when one has insisted I have let him have the article.—Yours faithfully,

Тіскеттем (19/7).

Subscribers' Symposium

For interchange of opinion among "C. & D." readers and brief notes on business and practical topics.

Prestige of British Goods

The interesting article "Prestige of British Goods Overseas" (p. 223) should remind us of the useful slogan "Made in Great Britain"; this, printed on goods for sale, should be helpful to salesmen at home or abroad. Not long ago the public were advised on every hand to "Buy British Goods," and it would be well to revive the injunction.—Scotia (23/8).

N.H.I. Contracts

Mr. F. S. Hickman, Newbury, suggests:—(I) That the Council of the N.P.U. get together and organise a movement throughout the whole country by calling meetings of the various associations to get the matter of N.H.I. contracts fully discussed. (2) That the various M.P.s be approached and the injustice of the scheme pointed out to them, as none of them at present, he supposes, knows anything about it. (3) That before another contract is made, more time be given for its consideration, and that the decision be not sprung upon chemists at short notice as heretofore. Also, not only payment in full should be demanded, but better prices all round should be obtained. (4) That the big companies be approached to see if agreement cannot be obtained with them with the idea of getting better terms and payment in full.

Miscellaneous Inquiries

We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

A. S. D. (17/8).—Linseed, liquorice and chlorodyne lozenges.—The following formulas for linseed, liquorice and chlorodyne cough lozenges are given in "Pharmaceutical Formulas," Volume I:—

	I		
Sacchar. alb			 cwt. j.
Ext. glycyrrhizæ			 lb. ij.
Chloroformi			 lb. vj.
Capsicini		•	 ₹j.
Ol. menthæ piperitæ			 ξj.
Mucilaginis lini			 Oj.

Put the sugar into the mixer and leave a hollow in the middle. Place about six pints of acacia mucilage in a pan, with the melted liquorice and 8 oz. brown-paste colour. When well mixed, add the chloroform, peppermint oil, and capsicin; stir the whole well together, and put into the mixer. Set the mixer in motion, and put a cover on to prevent evaporation of the chloroform. If required, add to it more mucilage. When well kneaded together, put into a zinc-lined box or earthenware pan until the next day. It is then ready to be cut by hand and stamped with the linseed, liquorice and chlorodyne stamp. These lozenges must not be put to dry in a higher temperature than 80° F., or the chloroform will evaporate by the time the lozenges are dry.

II		
Chlorodyne (B.P.C.)	 	 150M
Extract of liquorice .	 	 ₹ oz.
	 	 30 M
Mucilage of gum acacia		 a sufficiency
Sugar, in powder	 	 to 5% oz.

Divide into 100 lozenges.

S. K. (Holland) (17/8).—POWDER-CREAM.—A powder and vanishing cream combined is based upon the incorporation of a suitable powder in a vanishing cream. With this object in view first prepare a cream consisting of:—

Ac. stearic. 15 °00 Liq. ammon. fort. 15 mins. Aq. dest. 85 °00

Liquefy the stearic acid in half the water, remove the mixture from the source of heat and stir in the remainder of the water to which the liq. amm. fort. has been added. Prepare a powder consisting of:—

Finest talcum powder 50.0 Rice starch powder 10.0

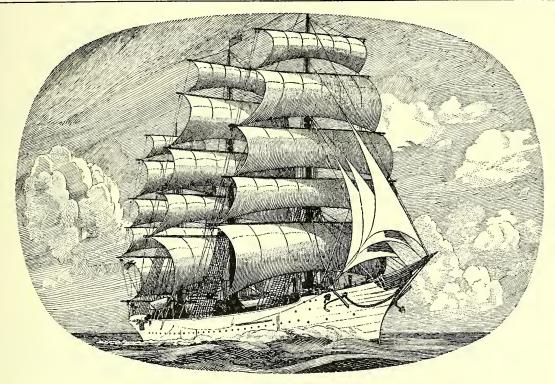
The mixture should be treated in a mill or well triturated. Colour this powder with a mixture of soluble eosin (pink) and soluble rose carmine. Incorporate this powder in the cream. It is also possible to replace a portion of the starch powder with powdered orris root, while omitting the pink colour.

Retrospect of Fifty Years Ago

Reprinted from "The Chemist and Druggist," September 3, 1887

A Forecast

We may see again in Great Britain the days of commercial, industrial and agricultural prosperity we so long enjoyed, but we shall never return to the easy-going times of the past. We have entered on a new, if not a better, order of things; the competition of the age must be reckoned with as a permanent factor; let us hope that the survival of the fittest may be the result. The future condition of pharmacy in this country in all probability will be developed on the scientific and semi-professional side. Pharmacists are trained to the manipulation of a large number of minute transactions involving much care and no small anxiety, but each one financially of small moment. Such operations have no tendency to develop the business man in the ordinary acceptation of the term. The conditions of the average pharmacy are opposed to the habit of broad generalisation, so essential to success in other callings. I am not despondent as to the future, but I feel that our hope lies in cultivating the scientific rather than the merely trading side of pharmacy, for in this direction from the nature of things competition will be less acute, and remuneration for service rendered on a higher scale. [From the presidential address of Mr. S. R. Atkins at the opening session of the British Pharmaceutical Conference.]



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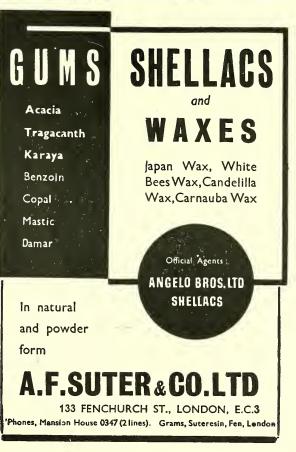
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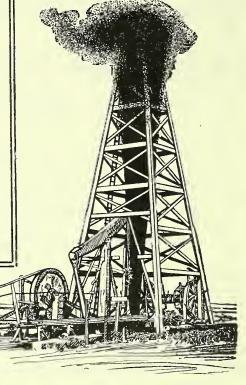
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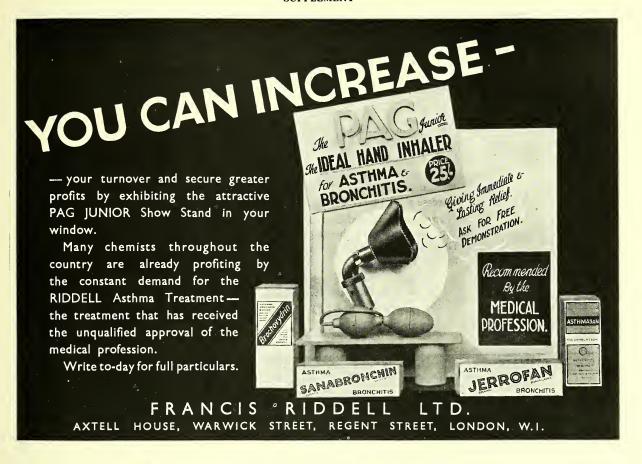
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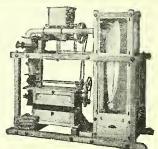
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SEPT. 4. 1937

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4.—HOLBORN (NEAR).—General Retail Business; takings £25-£30 per week; old-established; good profits; accountants' figures; low rental; nice living accommodation; price £500 all at.

5.—HERTFORDSHIRE.—High-class Dispensing Business with Photographic; old established; takings last year £2,260; excellent living accommodation; reasonable rental; stock and fixtures worth £1,150; reasonable offer invited for the lease and goodwill.

6.—HAMMERSMITH.—General Retail Business for sale owing to ill-health; established 45 years; takings over £1,600 per annum; stock worth £380; fixtures £270; price required £650 all at, or valuation terms would be entertained.

-WEST NORWOOD .-- Middle- and Working-class Business; takings about £25 per week; net profit approaches £300 per annum; nice living accommodation with bathroom; rent only £45 per annum; inclusive purchase price required £700.

8.—TOOTING.—Middle- and Working-class Business with D. and P.; takings last year cash £1,936, N.H.I. £185; gross profit over £900; rent only £70 per annum; price required £1,350.

9.—HOME COUNTY.—High-class Dispensing Business; Vendor will remain on as Manager; takings £2,700 per annum; net profit as an investment about £300 per annum; accountants' figures; price required for the goodwill £400; reasonable rental and long lease; total purchase price £1,700-£1,800.

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LI.—BARKING.—Middle-class Family Retail Business; takings last year £1,347; net profit £350; stock worth £300; nice living accommodation with bathroom; price required £300 or near offer, s.a.v.

12.—FOREST GATE (NEAR).—Middle and Working Class Business; takings approach £2,000; rent only £65 per annum; long lease; price about £1,200 or near offer.

13.—SHEPHERDS BUSH.—Middle-class Business taking £1,100 per annum; net profit £300 per annum; accountants' figures; very good, clean, saleable stock; rent only £60 per annum; inclusive price required £500 all at or near offer.

14.—HARROW (NEAR).— Very Good Class Business with Photographic and small Optical connexion; takings last year £2,500; net profit approximately £525; stock estimated to be worth approximately £300; attractive malogany fixtures; nice living accommodation; price £505 plus stock and fixtures at valuation; reasonable rental and long lease; vendor studying medical.

15.—WATFORD (NEAR).—Good-class Business making a net profit of about £600 per annum; good fixtures; heavy stock; nice living accommodation; price about £1,800.

16.—KENTON (NEAR).—Good Middle-class Business; takings about £1,400 per annum; net profit about £9 per week; light oak fixtures by Maws; good, clean, saleable stock; large flat over, at present sublet; total purchase price required £600.

17.—CROYDON.—Middle and Working-class Business, established about 75 years; takings approach £1,500 per annum; net profit last year £338; stock and fixtures worth about £550; price required £850 all at or near offer.

18.—DEVONSHIRE COAST.—Drug and Photographic Store; takings exceed £1,200 per annum; property can be purchased or leased for £65

or near offer.

18.—DEVONSHIRE COAST.—Drug and Photographic Store; takings exceed £1,200 per annum; property can be purchased or leased for £65 per annum; comfortable flat over; stock worth £350; price required £350, s.a.v.; scope for qualified.

19.—MANCHESTER.—General Retail Business with Optical; net profit £350-£450 per annum; stock and fixtures worth about £700; National Cash Register and Neon Signs; rent only £60 per annum; price £650 all at.

National Cash Register and Neon Signs; rent only £60 per annum; price £950 all at.

20.—NEWPORT, MON. (NEAR).—DEATH VACANCY.—General Retail Business taking about £1,500 per annum; net profit about £400 per annum; stock and fixtures worth about £550; new lease at £75 per annum; rising to £90 per annum; price required about £750 all at, or valuation terms would be entertained.

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Correspondence, mutually confidential, is invited from prospective purchasers of the following businesses at present available for purchase.

(C1) CUMBERI,AND (GOOD BUSINESS TOWN).—Turnover nearly £1,500; well positioned; rent £65; living accommodation; first reasonable offer accepted, as quick sale desired.

(C2) SHEPHERD'S BUSH.—Returns £1,100; lock-up shop; rent £58 10s., inclusive; price £500 or offer.

(C₃) RAYNES PARK.—Populous area; return reasonable rental; living accommodation; price £800. returns nearly £1,300;

(C4) HOLLAND PARK (NEAR).—Turnover about £1,000; rent £65; living accommodation; price £175 all-at.

(C5) LONDON, S.W.8.—Main road; turnover £1,380; rent £75; sub-let £58 ros.; price £625 or offer.

(C6) STREATHAM (NEAR).—Family working-class; turnover £1,325; gross profit £499; rent £80; living accommodation; price £625 (£300 down and balance by arrangement).

(C7) BEXLEY HEATH.—Turnover £1,300; net profit £353; living accommodation; reasonable net rental; price £700; part could remain.

(C8) BRIXTON (NEAR),—Returning about £1,450; good scope; main road; reasonable rent; living accommodation; price by negotia-

(C9) I,EIGH-ON-SEA.—Returning about £15 per week; good scope; living accommodation; stock and fixtures only for quick sale (£450).

(C10) EPSOM (NEAR).—Excellent opportunity for beginner; returning about £1,000; rent £52; price £450; could be run as Drug Store if preferred.

(C11) BLACKHEATH, S.E. (NEAR).—Lock-up; returns £1,000 under management; populous middle-class district; low rent and price.

(C12) ENFIELD.—Attractive main road; up-to-date flat; good scope; returns £1,300; price £850 or offer.

(C13) EARL'S COURT.—Good-class lock-up, with excellent scope; reasonable rent; increasing turnover; £200 down and balance by arrange-

(C14) HARROW.—Well positioned; turnover £1,350; definite scope; reasonable price.

(C15) THORNTON HEATH.—Attractive lock-up; good scope; turnover about £1,000; rent £55; price £385 all-at.

(C16) NORTH CHESHIRE.—Returns nearly £1,200, and increasing; rent £70; small house; price £600 all-at.

(C17) BATTERSEA (DEATH VACANCY).—Main road with excellent scope; very reasonable rental; price £225 all-at.
(C18) HANTS (COUNTRY TOWN).—Returns £750; rent £65; living

accommodation; price £350.

(C19) HOVE.—Attractive main road; good scope; rent £70; price £450 all-at.

(C20) BARNET.—Returns £1,300; small house; rent £50; sub-let

£66; price £600 or offer. (C21) KENSINGTON.—Working-class with scope; two flats above; rent £65; price for immediate sale, £200 all-at.

(C22) BAI,HAM.—Entirely unopposed; excellent scope; should be capable of £2,000 turnover; low net rental; immediate sale desired and first offer accepted (£300/£500 will purchase).

(C23) STOKE NEWINGTON.—Increasing turnover, now about £30 weekly; large house; low rental and price; good scope.

(C24) LIVERPOOL .- Drug Store; turnover £1,400; very low rent; living accommodation; price £400.

(C25) NORWOOD.—Drug Store situated main shopping street; turnover £1,050; rent £55; small house; reasonable price.

(C26) HAMMERSMITH (NEAR).—Well established; no near opposition; turnover £1,850; net profit £450/£500; rent £60; long lease; price £1,100 or near offer.

(C27) NORWOOD (NEAR).—Main road; turnover £1,260; net profit £350; rent £90; living accommodation; good prospects, stock and fixtures £535; price all-at, £710.

(C28) DERBYSHIRE (SMALL BUSY TOWN).—Increasing turnover, now approaching £30 weekly; rent £50, including house; good scope; price £750.

(C29) MANCHESTER.—Pharmacy with optical connexion; turnover £1,340; rent £60; living accommodation; reasonable price.

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2.—SOUTH COAST.—Light Family Retail, in centre of fastgrowing district; returns over £1,100, under poor management; good modern Pharmacy with house attached; no near opposition; price £250, plus valuation of stock and fixtures.

3.—HANTS (Death Vacancy).—Light profitable Retail, in growing district; return under manager, £1,300, net profit, £325; plenty of scope; low rent; price £750 or near.

4.—BEDS.—Genuine bargain for quick sale; sound progressive business, returning over £1,200; net profit £350; corner shop, with house; price £250, plus stock at valuation, approximately £400.

5.—HERTS.—Good-class Retail and Dispensing business in small market town; returns under manager about £1,300, good profits; good house and garden; price £650, or £100 and valuation; recommended.

recommended.
6.—BERKS.—Light Cash Retail, in good position; returns approach £1,200, increasing; double-fronted shop with good house and large garden; no immediate opposition; price £650 or close offer; trial allowed.
7.—LONDON, W.2.—Good-class business in prominent position; returns £2,600, net profit £610; rent £150, on lease; attractive well-fitted Pharmacy; well stocked; price £1,850.
8.—LONDON, N.1.—Light Cash Retail, with good N.H.I.; turnover approximately £2,000, increasing, net profit £450; corner position, main road; fully stocked; long lease; price £1,200.
9.—HORNSEY (NEAR).—Middle-class business, with large Panel; returns approximately £1,500; plenty of scope in younger hands; low rent; good stock; owner retiring; price £1,000, third can remain.

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BLACKPOOL.—Old-established business; lock up; central position; Kodak Agency; average yearly turnover between \$1,200 and \$21,400; great scope for Prescribing Herbalist or Qualified Herbal Chemist, etc.; inclusive price, £750 (stock £350 to £375); other details to genuine buyers with the necessary capital at interview only; (no triflers, no agents). 184/39, office of this Paper.

BOURNEMOUTH.—Old-established Business; good-class Residential District; D.-F. Shop, House and Garden. Rent only £83 inclusive. Present turnover exceeds £1,000, increasing. Stock, £400-£450. Owner leaving district will sell this week to highest offer. Chance of a lifetime. Those prepared to make reasonable offer apply 183/5, Office of this Paper.

L ONDON, N.—Chemist's Business; main thoroughfare; house and shop; rent £70; let off £65; turnover £850; steadily increasing; good N.H.I.; Ucal, Selo, Opas; rare opportunity; owner acquiring larger concern; price £400 all at, for quick sale; genuine enquiries only (no agents). 182/6, Office of this Paper.

ONDON, N.W.1.—Genuine Drug and Photographic business; owner retiring; present hands 27 years; good opening for a qualified Chemist. Full particulars on application, 184/24, Office of this Paper.

LONDON, S.E.—Drug and Photographic Stores and N.H.I.; main road; lease 17 years to run; takings about £40; good opportunity for young chemist. Apply S. S. & B., c/o Wilkes Jeffery & Co., Ltd., 29 Ludgate Hill, E.C.4.

L ONDON, S.E.—Genuine business for sale, Cash Trade, Good Panel and P.H.A. scripts; owner retiring after many years; moderate rent or lease, 38 years, can be purchased if desired. Inquiries, C. H. B., 184/18, Office of this Paper.

L ONDON (West End).—Business for Sale; old established; great potentialities; all cash takings. 184/50, Office of this

L ONDON, W.1.—Old-established business (over 100 years), near Shaftesbury Avenue; large double-fronted corner shop; fine large dry basement; profits £848 last year, now under management; excellent opportunity. Chemist, c/o A. Heyward & Co., Chartered Accountants, 15 Coleman Street, E.C.2.

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CUSSEX COAST.—Old-established neglected business for sale as Pharmacy or Drug Store; good, improving; main road position; ample living accommodation; sure living; excellent prospects; good scope for Optics; suit Qualified or Unqualified; well fitted; stock adjusted to suit needs; bargain price, as early sale desired. Details, apply 184/16, Office of this Paper.

WALLSEND-ON-TYNE.—Middle-class Chemist's husiness for disposal in main street; modern double-fronted shop; well-fitted; N.H.I.; splendid opportunity for Chemist-Optician. Apply J. A. Gardner & Co., Chartered Accountants, 24 Grey Street, Newcastle-on-Tyne.

ALL Overhead Charges met by Suhsidiary Business.—Exception—ally good opportunity for fully Qualified Chemist to start in main-road position without fear of failure. To those interested and wanting proof of this advertisement, write or call (Sunday no objection) to Owner, 12 Carbery Row, Southbourne, Bournemouth. Alight Irving Road 'hus stop. Telephone, Southbourne 1231.

DEATH VACANCY.—Old-established Chemist's Business for immediate disposal in thickly populated working-class district; returns under management approximately £10 per week (could be considerably increased); lease will be granted at £1 2s. 6d. per week, rates approximately £20 per annum; inspection invited. Write 310/279, Office of this Faper.

FIOR SALE.—Chemist's Business; situated in Essex; has been closed during summer months; advertiser desires shorter hours; anyone interested can have same at very low offer; house accommodation; low rent; or stock, etc., can be removed. 184/54, Office of this Paper.

OLD-ESTABLISHED Business, turnover £2,362; rent £88 10s.; mixed trade; extensive premises, very handsomely fitted, easily and inexpensively run; charmingly situated in beautiful country; pleasant house; good Prescribing, small Panel, good Optical connexion, big stocks; owner retiring; price £1,675 cash settlement; no reply to inquiries unless accompanied hy banker's references. 184/32, Office of this Paper.

QUALIFIED Lady Chemist or Gentleman. Splendid opportunity occurs shortly to acquire on favourable terms old-established, flourishing Pharmacy, well stocked and fitted; easily conducted; modern living accommodation; showing over £450 net profit per annum; Cardiff area; suitable for Lady Pharmacist. Only applicants with £800 cash, and enclosing banker's references, considered. 184/51, Office of this Paper.

£275, S.A.V.—Well-established husiness in S.W. Suhurh, main road; double-fronted shop; clean stock; good lease; moderate rent accepted; low overheads; small N.H.I.; Kodak, Selo, etc.; splendid opening and facilities for Optics; nice house attached; takings approximately £1,000; domestic reasons make early disposal necessary; genuine huyers only, please. P.C.B., 254/32, Office of this Paper.

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HANDSOME Modern Shops with Staybrite fronts. Good living accommodation. Adjoining G.P.O., main road. Centre of good residential and growing district. Rents from £100 per annum. Apply W. Burton Day, Architect Builder, Lido Parade, Washway Road, Sale, Manchester.

CHEMIST.—Fine opening in newly built block; good Shop and Two-floor Flat; exclusive position, adjoining L.C.C. and other extensive estates; literally surrounded by houses; no opposition; shop front will be fitted; rent £100 a year to start. Apply (state trade) to Mr. H. H. Dartnall, High Stone, Leytonstone, E.11.

SHOP to Let.—322 King Street, Hammersmith. Ultra-modern Double-fronted, exceptionally suitable for Chemist; rent a secondary consideration to approved tenant. Owner, 48 Menelik Road, N.W.2.

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FOR GENTLEMEN, Hampden Street, N.W.1. Close to King's Cross and Euston. 300 Bedrooms, 15s. to 22s. 6d. per week, including bath, attendance and boot cleaning. All meals à la carte in dining room. Moderate tariff. Large Club Rooms, Library, Billiards Room, Reading Room and Study for Students. Illustrated Prospectus from Secretary. Euston 2244/5.

PUBLIC NOTICE

WILL all Creditors of T. Williams (deceased)

THE LITTLEOVER PHARMACY, LITTLEOVER, DERBY,

forward their accounts not later than September 14, 1937, to

S. W. Freestone, 562 Burton Road, Littleover, Derby,

on behalf of Miss Williams, Aeron Queen House, Aberayron, Cardiganshire.

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EXPERIENCED Pharmacist, with very substantial capital, would consider Directorship in large flourishing concern in, or connected with, Drug Trade; £5,000 immediately available, but more could be invested if required for expansion. 184/38, Office of this Paper.

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CHEMIST (28), sound experience, desires Partnership with prospect of succession in well-established Business; would consider taking situation in order to prove capability; S.E. Lancashire or Cheshire preferred. All information in strict confidence. 185/3, Office of this Paper.

PHARMACIST (age 25), 6 ft., public school education, Agricultural, spa and highest-class West End experience, desires Partnership in sound well-established business, London or provinces. All information will be treated in strict_confidence; references exchanged. 184/47, Office of this Paper.

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A LEADING old-established firm of Manufacturing Chemists, with a Sales Organisation covering the whole country, would be pleased to discuss manufacture and/or distribution of Proprietary lines. 308/221, Office of this Paper.

L ARGE Irish Free State Wholesale House with sound connexion amongst Chemists, Stores and Hairdressers, require additional well-advertised proprietary lines; prepared to manufacture and pack if necessary; will give excellent facilities for window advertising, showrooms, etc.; have excellent references and are prepared to deal only with first-class firms. 168/2, Office of this Paper.

To Foreign Manufacturers.—Sales Organisation, with oldestablished connexion throughout the Wholesale and Retail Trades in Kingdom and Empire, having Travelling Staff with offices and stock room London, centrally situated, seeks Exclusive Sale and Distribution of Proprietary Lines in demand or Pharmaceutical Preparations. 184/10, Office of this Paper.

APPOINTMENTS

CROWN AGENTS FOR THE COLONIES
COLONIAL GOVERNMENT APPOINTMENTS

A PPLICATIONS from qualified candidates are invited for the following post:—

MEDICAL STOCK VERIFIER required by the Government of the Gold Coast for the Medical Department for two tours of 12-24 months with possible permanency. Salary, £400-12-500 a year; outfit allowance, £25. Free quarters and passages and liberal leave on full salary; candidates (aged 25-35) must be thoroughly experienced in dealing with bulk quantities of medical stores and preferably be Qualified Dispensers possessing a knowledge of Surgical Instruments; they must be able to verify the medical stocks and equipment at all the hospitals, dispensaries and stores in the Colony and to act as relief for the Medical Storekeeper when required.

Apply at once by letter, stating age, whether married or single, and full particulars of qualifications and experience and mentioning this paper, to the Crown Agents for the Colonies, 4 Millbank, London, S.W.1, quoting M/5369.

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CURPLUS Stock at Bargain Prices of Proprietary Articles in demand; quick-selling, popular lines in original, well-known packages; perfect condition guaranteed; special opportunity owing business winding up. 184/100, Office of this Paper.

WANTED to purchase on own account, regularly, a huge quantity of very cheap Packed Medicines, sold in competition with advertised patent medicines, like Fruit Saline, Cream of Magnesia, Vapourrub, etc.; quotations together with samples required, c.i.f. Karachi. 168/3, Office of this Paper.

SITUATIONS OPEN

RETAIL (HOME)

6s. for 40 words or less; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

 $E^{\rm XETER.-Smart\ Unqualified\ Junior,\ for\ High-Class\ Pharmacy.}$ Full particulars first letter, age, height, photo, experience, salary. 180/5, Office of this Paper.

LEEDS.—Wanted, as soon as possible, Unqualified Junior Assistant for working-class; apply, stating wage required, with references, either by post, or personally on Monday, September 6th, Hurst, Chemist and Optician, 80 Woodhouse Street, Leeds, 6.

LONDON.—Qualified Assistant required; must be competent and of good appearance. Please state age, experience and salary required, Geo. W. Price, 51 Fairfax Road, Hampstead, N.W.6.

L ONDON (Northern Suburb).—Lady Assistant, minor qualification, very comfortable permanent berth; good Window-dresser preferred. Please state salary and references in first letter. 185/290, Office of this Paper.

L ONDON, S.E.1.—Assistant (male) for working-class business; wages £3 per week (age not over 25); good prospects for person not intending to qualify. State when can be available and full particulars, to 184/23, Office of this Paper.

L ONDON Suburb.—Qualified Lady or Gentleman, for middleclass Family Retail Business, Dispensing and Photographic; preferably with view to succession. Real scope to add Optics. Flat available. If management only, state age, salary required, experience, when disengaged, to 178/9, Office of this Paper.

L ONDON, W.—A trustworthy, sober, Unqualified man (about 30 years), married, thoroughly experienced, possessing initiative and capable of taking charge of mixed-class business; permanent, progressive post to right man, who must present undeniable references as to honesty. 185/29, Office of this Paper.

L ONDON, W.—Young Lady, Qualified, required for good-class Dispensing Business; permanency. Please state age, experience and salary required (moderate to commence), 181/1, Office of this Paper.

L ONDON, W.4.—Wanted, Junior Assistant (male) in Good-class Family and Dispensing Business. Apply with full particulars. 183/17, Office of this Paper.

MANCHESTER.—Qualified Assistant to manage shop. Apply, stating age, experience, when disengaged, and salary required, to Pharmacist, "Hillcrest," Leicester Road, Salford, 7.

MANCHESTER.—Unqualified Junior Assistant wanted. Apply, stating age, salary required, and full particulars, to A. Stansfield, Chemist, 218 Hyde Road, West Gorton, Manchester 12.

MIDDLESEX.—October 1 or earlier, Young Qualified Assistant (male) for good-class business; one recently Qualified preferred. Reply, stating age, experience, etc., salary required, to 185/3, Office of this Paper.

PUTNEY.—Young Qualified Assistant required immediately for high-class Dispensing business. Apply Mr. Framingham, Putney Hill, S.W.15.

OTOCKPORT.—Wanted, Young Unqualified Assistant; male; single; industrial district; please state age, height, experience, salary required and when disengaged; photo if possible. Applications not answered in seven days declined with thanks. 183/6, Office of this Paper.

A SSISTANT (male) required at once for good class Family and Dispensing business; state age, experience, salary required, etc. C. Dickinson, 119 South End, Croydon.

BROWNS CHEMISTS (STOKE-ON-TRENT), LTD., have vacancy for Branch Manager. Apply to, Directors, Browns Chemists (Stoke-on-Trent), Ltd., 27 Stoke Road, Stoke-on-Trent.

CIVIL SERVICE.—Vacancies for both sexes, age 15-26.

Excellent pay and prospects. No experience required. Short hours and congenial duties. Write for FREE Guide to forthcoming open examinations, salaries, opportunities available, etc., to N.T.O. (Dept. 45), 335 High Holborn, W.C.1.

COMPETENT Assistant (gentleman), tall, of good address and education, required immediately for good middle-class Family and Dispensing Business; must be experienced Dispenser, good Salesman and Window-dresser. Please give full particulars of experience, age, height, salary required, and photo, if possible. Replies to 185/7, Office of this Paper.

COOPER, SON & CO., LTD., 24 Sloane Street, S.W.1, require a Qualified Assistant (male) (about 22-23), chiefly for Dispensing. Apply by letter to "A.J.B.C.," giving full particulars, experience, salary, etc. (photograph if convenient).

G.P.O. ENGINEERING.—Attractive careers for young men, annum, with pension. No experience required. FREE details of openings, etc., from N.I.E. (Dept. 516), Staple Inn Buildings, W.C.1.

IMMEDIATE Opening for Qualified Chemist in London; must be capable Dispenser and used to quick Counter trade. Write 310/283, Office of this Paper.

JUNIOR Assistant (male), for September 20 approximately; Dispensing, Counter and Photographic; no Sunday duty; progressive berth. State salary required and experience, Hornsey, Chemist, 8 South Farm Road, Worthing (phone 1507).

JUNIOR Assistant required at once, mainly for Dispensing; modern Pharmacy; time for study can be arranged; good prospects. Meads Wembley Pharmacy, Ltd., 409 Alexandra Avenue, Harrow. 'Phone Pinner 1754.

JUNIOR Assistant required for good-class Family and Dispensing Business. Apply by letter, stating age, height, salary required, and when disengaged, to T. W. Rumsey & Son, 535 Lordship Lane, S.E.22.

JUNIOR Assistant (Unqualified) male, required for good-class Dispensing and light Retail, with Photographic. Full particulars of age, height and salary required, etc., together with photograph (to be returned), Ward & Woodman, Gloucester.

JUNIOR Assistant, Young, Unqualified, wanted to commence end of September. Full particulars to H. C. Neve, 1416 London Road, Norbury, S.W.16.

JUNIOR or Improver (male), indoors, for good-class Dispensing and Family business; good window-dresser and Dispenser essential. Apply, with full particulars, photo, age, height, salary, etc., to Exors. T. Evans, 114 Upper Richmond Road, Putney, London, S.W.15.

 $L^{
m OCUM}$, Qualified, September 19th to October 2nd (inclusive); easy hours. Collitt, Chemist, Holland-on-Sea, Clacton.

MALE, Unqualified Young Junior Assistant, one recently completed apprenticeship. Give age, height and experience. Greenfield, Chemist, Hall Gate, Doncaster.

MANAGER, Qualified, for Branch in Gravesend; moderate hours; house. State age, salary, experience, etc., Gillitt & Son, 152 Milton Road, Gravesend.

M.P.S.-Lady or Gentleman wanted to take charge from salary required to Manager, Drug Department, International Stores, 808 High Road, North Finchley, N.12.

M.P.S. (22-24) as Assistant for usual Counter and Dispensfull particulars experience, salary required, etc., The Prosser Roberts Co., 13 Church Street, Camberwell, S.E.5.

PHARMACIST (man or woman), age under 40, required for London County Council at Ebba's Hospital (for Nervous and Mental Disorders), Epsom, Surrey. Must possess Pharmaceutical Society's qualification. Salary £250, rising to £350 a year. Pensionable. For application form, returnable by 22nd September, send stamped addressed foolscap envelope to Chief Officer (B), Mental Hospitals Department, Shell-Mex House, Strand, W.C.2. Marriage terminates service in case of women. Canvassing disqualifies.

POSITION is vacant for an Unqualified man seeking a light and easy post to assist owner in running a small Drug Store (Toilets and Photo); hours of working to be arranged; references necessary; state wages expected. Berkshire. Apply 184/52, Office of this Paper.

QUALIFIED Assistant, also Assistant for Relief work for two months. State experience, names of references, when disengaged, age and salary expected. Apply (letter only), Chemist, 37 Sydner Road, London, N.16.

QUALIFIED Assistant for Dispensing Department wanted shortly.

Apply, stating age, experience, salary required, to Wm. Fox & Sons, Ltd., 109-111 Bethnal Green Road, London, E.C.2 (10 minutes from Liverpool Street Station).

QUALIFIED Assistant wanted (male or female) for good-class business; must be well recommended. Full particulars in first letter with age, height, experience, salary to Gould, Chemist, 10 High Road, Chiswick, W.4. Phone Chiswick 1428.

QUALIFIED Chemist required immediately for 2 or 3 weeks in S.E. London. Full particulars of age, experience, salary required, etc., to B. Phillips, Ltd., 27 Northcote Road, S.W.11.

QUALIFIED Chemist wanted for mid-September for one month's locum. Please reply, with particulars as to date free, references, salary, etc., to 184/29, Office of this Paper.

QUALIFIED Lady Assistant required for Retail Dispensing business for three months commencing October 1. Usual particulars and salary required, Williams & Baxter, Ltd., 38 St. Peter's Road, Great Yarmouth.

QUALIFIED Manager for Branch, medium-class business, with good prospects for Chemist with original ideas; Junior or Improver also required. Chemist, 274 Biscot Road, Luton.

QUALIFIED Manager for new branch required immediately; must be well experienced in modern Toiletries, possess good Sales record and courteous manner; exceptional opportunity for right man; permanent, comfortable berth. State full particulars (photo if possible) to H. Richman, M.P.S., Coomer & Richman, Ltd., Dispensing Chemists, 12A Argyll Street (near Palladium), Oxford Circus, W.1.

QUALIFIED Manager required before September 20; permanency; easy hours; no Sunday or holiday duty. Full particulars to Douglas, 127 Brackenbury Road, London, W.6. 'Phone Riverside 1145.

QUALIFIED Resident Manager for High-class Dispensing Business in London (Belgravia district); exceptional permanency for suitable man; age 35-45, married (no children); salary £234 including unfurnished suite of rooms with lighting and heating. Reply, stating age, experience, height, and enclose photograph (important) which will be returned, Box No. 185/11, Office of this Paper.

REQUIRED in September, Unqualified Assistant, accustomed to good-class Dispensing business; state when free and salary required. Applications not answered in three days declined with thanks, White, Chemist, Ashford, Kent.

REQUIRED, Junior Assistant, Passed Part I; one having had good apprenticeship preferred. Apply, with fullest particulars, to Eardley & Furnival, 265 Glossop Road, Sheffield.

TIMOTHY WHITES & TAYLORS are shortly opening new Branches and require several Qualified Managers (aged 25 to 35 years); must be capable of controlling staff and stock and have a good knowledge of Display. Apply, giving full details, salary required, to Retail Staff Manager, 70 Vauxhall Bridge Road, London, S.W.1.

UNQUALIFIED Assistant, good-class Family and Dispensing Business; good experience Counter and Dispensing necessary. Apply, stating age, experience, and salary required, and when disengaged, to H. H. Cuthbert (Shortlands), Ltd., 3 Station Parade, Shortlands, Kent.

UNQUALIFIED Assistant (male), 30-40, required immediately; must have experience of good-class Dispensing and Counter trade; knowledge of Veterinary business essential. Hickman & Metcalf, Ltd., 21-23 Market Place, Newbury, Berks.

UNQUALIFIED Assistant, reliable Dispenser and good Counter Hand, to commence September 13, for branch shop. Please apply, with full particulars, to Bewells, Ltd., 19-21 Pitfield Street, N.1.

·UNQUALIFIED Assistant required for London; smart Counter man and good Dispenser; salary £2 15s. Full particulars to 310/281, Office of this Paper.

UNQUALIFIED Assistant required; good Dispenser, Salesman, Window-dresser; permanency; comfortable situation. Apply, giving full particulars as to height, experience, references, salary required, and photo (returnable), S. J. Witherick, Chemist, 16 Harrow Manorway, Abbey Wood, London, S.E.2.

UNQUALIFIED Assistant required immediately (23-25); salary £2 10s. per week; permanency; working-class Counter trade and N.H.I. Dispensing; South-East Kent coast. Apply, giving full particulars, to Chemist, 8 Stanhope Road, Deal.

U NQUALIFIED Junior Assistant (male) required for good-class general business. Write, stating age, experience, and salary required, and enclose photograph if possible, Shawyer & Blake, Chemists, Swindon, Wilts.

UNQUALIFIED Junior Assistant required (either sex). Please state full particulars as to age, experience, salary required, and photo if possible. E. S. Gilbert, Harworth, Doncaster.

UNQUALIFIED Junior Assistant wanted for Branch; good Dispensing experience essential. Apply, with full particulars and salary required, to Ekins & Fisher, Market Place, St. Albans.

UNQUALIFIED Junior (male), required for good-class Dispensing and Counter work in N.W. London; one just finishing apprenticeship, or with some subsequent experience. Usual particulars of experience, salary, etc., 184/7, Office of this Paper.

VACANCY for Chemist-Optician with old-established firm; industrial Lancashire town; good prospects for the right man; age about 26. Apply, first instance, 309/262, Office of this Paper.

WANTED.—Experienced Lady Assistant, Qualified or Unqualified; Dispensing, Counter, Photographic (Sales) and Window-dressing, High-class Toilets; good appearance. State age, experience, salary required (enclose photo), etc., to Miss C. M. Joyce, Chemist, Loughborough.

WANTED, Qualified Assistant, experienced in high-class business, for end of September, for important City Pharmacy. State age, height, references and salary. Apply, with photo, to Westmacotts, Cannel Street, Manchester 4.

WANTED.—Qualified Assistant; good Counterman and Window-dresser essential; capable of taking charge. References, experience, photo, and salary required to Raymond Cope, M.P.S., "Roscville," Abbotts Road, Leek, Staffs.

WANTED, Qualified Locum for week or fortnight from September 20. Particulars to Freeman, Chemist, St. Albans.

WANTED, Unqualified Assistant (male) about September 20. Please seud particulars of experience and salary required, and enclose photo (to be returned), E. Green, M.P.S., Wells & Smith, Ltd., 36 Stone Street, Maidstone.

WANTED.—Unqualified Assistant (25-35 years), must be first-class Salesman, accurate Dispenser; good knowledge of Photography; good remuneration for the right applicant; permanency. 310/278, Office of this Paper.

WANTED, Urgently.—Qualified Manager; old-established Dispensing and Photographic Business; good N.H.I.; Manchester district; successful applicant would have opportunity of acquiring the business after trial; owner on point of retiring. Apply 310/285, Office of this Paper.

YOUNG Assistant for Photo and Optical Counter; good Windowdresser; opportunity obtain knowledge Optics; full particulars first letter. 180/500, Office of this Paper.

YOUNG Qualified Man, preferably married, to live on premises and manage small branch in working-class district; one Junior kept; modern flat, six rooms and bath; good prospects, Full details to Russell Margetts, 103 St. Giles' Street, Norwich.

YOUNG Unqualified Assistant, male, required for Dispensing Business in Essex. Apply, giving full particulars of age, experience and salary required, 184/5, Office of this Paper.

£4 108. PER WEEK.—Qualified Manager required for Portswith initiative; immediate vacancy. Write 310/282, Office of this Paper.

WHOLESALE

REPRESENTATIVES

one for South Coast; one for South London

with a good connexion throughout these territories with chemists, hairdressers, and stores, are wanted by an established selling organisation carrying several good selling lines. Generous salary, commission and expenses paid to the right man, who should be young, active, and preferably a car owner.

Apply Box 309/268, Office of this Paper.

NORTHERN Firm of Wholesale Manufacturing Chemists requires two youths as Apprentices; Matriculation or equivalent standard necessary; state full particulars. 309/274, Office of this Paper.

A WELL-KNOWN Firm of high repute requires well-educated Qualified Pharmacists for medical propaganda work in various parts of the country. Candidates experienced in this work with satisfactory record will secure preference, but men of proved ability who can readily adapt themselves to the work can make steady progress and ultimately reach responsible positions. 309/270, Office of this Paper.

A DVERTISERS require Representatives who are able to carry an additional line; good prospects; must have good conset, but would come to other terms if turnover shows promise. 309/271, Office of this Paper.

A DVERTISING.—London firm of Manufacturing Chemists require Writer with knowledge of Medicine and Pharmacy in their Advertising Department. State experience, age and salary required to 310/276, Office of this Paper.

As additional line; established firm require representative or agent with connexion amongst Chemists in South Wales and Monmouth; introduced only twelve months ago, this line already brings in three to four pounds per week commission, and is on "C.F." list; applicants should be car owners. 309/263, Office of this Paper.

A SSISTANT to Production Foreman wanted by Perfumery, Toilet and Soap Manufacturers, N.W. London; required to prepare samples, arrange, get up and assemble samples for Travellers, etc.; age about 20-25; artistic ideas necessary; good opportunity to learn assembly and display side of the trade; permanent progressive job. Apply, giving fullest particulars of age, experience and salary expected, 309/266, Office of this Paper.

CAR-OWNER Representative, with sound Chemists' connexion in the S.W. Counties, to develop existing business; only those to apply with outstanding personality who can convince present large existing connexion to display and push advertisers' C.F. products against non-C.F. cheaper and inferior lines; salary and commission. Full details to 309/272, Office of this Paper.

FIRM of Manufacturing Chemists requires Youth for Analytical Laboratory; Matriculation standard necessary, with a special interest in Chemistry and Physics. 310/275, Office of this Faper.

MANUFACTURER and Importer of Powder Puffs, Flapjacks, Fancy Goods, Chemists' Sundries, requires Agents living in Midlands and West of England to call on Chemists, Stores and Hairdressers; medium to high-class trade; established connexion handed over; fine opportunity for right man; generous terms; previous experience and references essential. 176/11, Office of this Paper.

MEDICAL Representative required for calling on Doctors and Hospitals, London and provinces; previous experience an advantage. Send fullest particulars to P.C.B. 254/27, Office of this Paper.

PRODUCTION Manager wanted for old-established Manufacturing Pharmaceutical Business in London area. Must have complete knowledge of manufacture of Tablets, Lozenges and Pastilles and be able to produce experimental batches to new formulæ. Should hold a qualification registrable under Rule 29, Poisons and Pharmacy Act. Apply, stating age, experience and salary required, to 309/269, Office of this Paper.

QUALIFIED Woman Chemist wanted as Manageress of department of Wholesale business; hours 8 to 5, and half-day Saturdays. Apply Hardy & Son, Ltd., Brown Street, Salisbury, Wilts.

REPRESENTATIVE (full-time) required to carry an established nationally-advertised C.F. line; only men who have a live connexion in South Wales and South-West England, and who have actually travelled the ground, please apply. State salary required, full particulars of past experience, and when free, to Box 280, c/o Erwoods, Ltd., 30 Bouverie Street, London, E.C.4.

REPRESENTATIVES Wanted to sell an extra line on commission; repeat line; substantial commission; areas: North Scotland; North-East and North-West England, Yorkshire, Norfolk, Suffolk, South-East England, Wales. Write, P.C.B., 254/37, Office of this Paper.

REQUIRED, Representative with sound connexion among Doctors and able to promote, as additional line, a well-established and widely used ethical product. 309/264, Office of this Paper.

SALES-MANAGER wanted by well-known firm of Pharmaceutical and Toilet Manufacturers; able to take charge small Sales force, and also build up and control window display service. Write, stating age, experience and salary required, to 309/265, Office of this Paper.

STILL HAND, experienced, required immediately by leading manufacturing firm at Barking. Reply by letter, stating experience and wages asked, 310/277, Office of this Paper.

YOUTH who has had some experience in the manufacture of Pills, required for Pill department. Reply, with full particulars, 309/273, Office of this Paper.

SITUATIONS WANTED

RETAIL (HOME)

2s. for 18 words or less; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

A NY Elderly or Invalid Chemist who wishes to be relieved of responsibility, Man and Wife offer their Services (wife Qualified), or Management of Branch, or any position of trust; all-round West End experience; London, S.W., or near. 183/21, Office of this Paper.

A SSISTANT, West End experience; Counter and Dispensing; good reference; disengaged September 6; locum or permanency; London only. Write to M. G. Birch, 4 Melrose Gardens, Hammersmith, W.6.

BIRMINGHAM.—Unqualified (40), married, seeks change, permanency; experienced Dispenser; Salesman, Window-dresser, used management; excellent references. Apply 185/24, Office of this Paper.

CHANNEL Isles or South Coast; Gentleman, Unqualified (24); tall; six years' London experience; permanency; free one month; £3. 184/12, Office of this Paper.

CHEMIST, Locum, experienced; recommended; excellent Prescriber; disengaged September 27-October 9; London or provinces. Chemist, 36 Buckley Road, Brondesbury, N.W.6.

CHEMIST, Qualified, semi-retired, desires re-engagement; country preferred; moderate salary; confidential. Write "Success," 185/16, Office of this Paper.

CHEMIST-OPTICIAN (31), desires change; managership; good and conscientious; all branches; present position 8 years; free one month. 184/42, Office of this Paper.

DISPENSER (Hall), Lady, experienced, seeks appointment; Medical Practitioner or Hospital only; permanent or temporary; London, or close; excellent testimonials. 183/15, Office of this Paper.

 $D^{18PENSER}$ (Hall), seeks post; Doctor, Chemist, or Institution. 182/5, Office of this Paper.

DISPENSER, male (24), energetic, enthusiastic, seven years' experience, seeks post in or near London. 185/6, Office of this Paper.

EXPERIENCED Dispenser (Hall), also S.R.N. Certificate, desires post with Doctor, firm of Doctors, or Chemist. Apply Miss Hamill, 21 Trent Road, Brixton Hill, S.W.2.

 $E^{
m XPERIENCED}$ Locum, free September 6 to 18; £5 5s. weekly and fares. Pharmacist, 6 Westleigh Park, Bristol 4.

EXPERIENCED M.P.S. in West End and good-class Pharmacy requires responsible position; available September 27; locum work entertained; good personality. Chemist, 38 High Street, Hounslow. Tel. Hounslow 2150.

EXPERIENCED Qualified Manager desires change; London; not disengaged. 184/46, Office of this Paper.

LADY Dispenser (Hall), requires position Hospital or Surgery; experienced Dispensing and Bookkeeping; 11 years last post; good testimonials. 185/10, Office of this Paper.

LADY Dispenser, Secretary, Bookkeeper (22) (Apothecaries' Hall); speeds 110-45; seeks post with Doctor, Hospital, or Chemical firm. Draper, 45 Upper Tooting Road, S.W.17.

LADY (Hall); holiday relief; Dispenser, Bookkeeper, etc., to Doctor or Assistant Chemist; highest references; free, Surrey district preferred. Green, 82 Happaway Road, Barton, Torquay.

LOCUM (Lady), Unqualified; Dispensing and Counter; highest references; free September 13. "Chemist," 7 Dunbar Road, Forest Gate, E.7.

LOCUM or permanency (full- or part-time); free September 6; unregistered; abstainer. "Locum," 31 Cleaver Square, Kennington, S.E.11.

L OCUM, thoroughly capable, with excellent references, free September 11; Unqualified; any distance. H., 23 Womersley Road, London, N.8.

MANAGER (38), seeks responsible position; married; permanency; London or South. 310/286, Office of this Paper.

MANAGER (31), tall, seeks progressive position; Coast preferred; where initiative and ability will be appreciated; first-class experience in London, country and seaside; tree month from engagement; interview. 183/12, Office of this Paper.

M.P.S., F.S.M.C. (30); fully experienced in all brances; expert Refractionist; desires change, preferably with view to succession, where there is scope for initiative and ability; married; South Wales, South of England, or London preferred. 185/27, Office of this Paper.

PHARMACIST-OPTICIAN, registered J.C.Q.O. (60), active; married; seeks Management with living accommodation; preferably South; moderate remuneration, 184/8, Office of this Paper.

PHARMACIST (24), 6 ft.; disengaged shortly; requires position Manager or Assistant; Portsmouth-Guildford district; excellent experience and references; energetic, conscientious worker; used good-class family business. 184/31, Office of this Paper.

QUALIFIED, as Manager; excellent London and Suburban experience; first class references; permanency; West End or City; free September 13. 183/16, Office of this Paper.

QUALIFIED Lady, experienced and capable; well recommended; seeks post, permanency or Locum preferably with view to partnership or succession in good-class Pharmacy. 183/22, Office of this Paper.

UALIFIED Lady (27), high-class London Counter and Dispensing experience; Assistant or Manageress. Chemist, 7 Byron Road, Rustington, Sussex.

QUALIFIED Manager (39); 14 years' experience as Qualified; desires permanent, progressive post; free one month; S.W. London preferred. 184/37, Office of this Paper.

QUALIFIED (50), active, trustworthy; requires Dispensing, Manufacturing or Supervising; short hours, or time off. 184/540, Office of this Paper.

QUALIFIED (27), excellent references, desires position in London. Spence, M.P.S., 18 Longley Road, S.W.17. 'Phone Streatham 5760.

QUALIFIED (25); good experience; references; desires change; S.E., or S.W. London; Management preferred. 184/21, omice of this Paper.

QUALIFIED (22), keen, hard worker, with varied experience, requires situation; South Wales or near London; well recommended; abstainer; free now. Chemist, Mardy Loage, Wind Street, Aberdare, Glam.

QUALIFIED (31), Manager or Assistant; West End experience; free one month from appointment; salary, £5 10s.; London only. 185/1, Office of this Paper.

QUALIFIED (23) requires responsible post in good-class business; lard worker; enthusiastic Salesman; City and West Engexperience. 184/45, Office of this Paper.

QUALIFIED (48), seeks position, town or country; experienced all branches; Photography, Dispensing, Prescribing; expert salesman; £4. Welch, 172 Harrow Road, W.2.

THOROUGHLY Reliable experienced Manager open to engagement after September 18; permanency with accommodation preferred. Ph.C., c/o Challice, Chemists, Eastoke, Hayling Island.

UNQUALIFIED Lady, 13 years' Dispensing, Counter, etc.; temporary or permanent; moderate salary. Miss C., 77 Carlton Vale, Kilburn.

UNQUALIFIED (38); all-round Pharmacy experience; London and Continental Pharmacy as Locum; disengaged. Write or wire, Dawson, 193 Crowborough Road, Tooting.

UNQUALIFIED (32), Lady desires change; West End preferred; good experience; keen Dispenser and Counter hand; splendid references. 183/10, Office of this Paper.

UNQUALIFIED (45) requires situation; capable, reliable; Optical and Photographic experience. Miller, The Drive, Boulter's Lock Road, Maidenhead.

WHOLESALE

A.A.A.—YOUNG Representative of 9 years' experience, seeks similar appointment abroad; preferably South Africa; keen, plenty of euthusiasm, and outstanding ability; conversant with big turnovers; at present Representing well-known house of repute. 185/26, Office of this Paper.

A DVERTISER desires Representative post, S.E. England; short but successful period as traveller well-known firm; considerable Retail experience; provide own car; well recommended. Monfort, 4 Lawn Road, Broadstairs.

A DVERTISER (M.P.S., (32), married) desires Wholesale Representative or Propaganda work; 10 years Lancashire and Yorkshire Managerial experience with Multiple and private; hard worker; first-class Salesman. 183/8, Office of this Paper.

A DVERTISER (36) desires change; very well known as Representative on South Coast and Home Counties to important firm of Proprietaries; now as Assistant Sales Manager to the same company; purely personal reasons for the change sought; carries a successful record and has something tangible to offer a house of repute. 309/267, Office of this Paper.

COSMETICS.—Advertiser with long experience Manufacturing large range of High-class Products, seeks position; good Organiser; used to complete Factory Control; lately with well-known West End beauty specialists. P.C.B. 254/31, Office of this Paper.

COSMETICS.—Young Man, 5 years' first-class experience in manufacturing all types of Toilet Preparations, seeks position in London, Midlands or South England. T. J. Favell, Queen's Crescent, N.W.5.

QUALIFIED (28) offers services as Representative; Hospital and own Retail business experience; good knowledge Therapeutics, Pharmacology; good appearance; car owner; will accept small salary and commission to establish. "M.P.S.," 1 Kingsway, Monument Park, Wigan.

CLEAR OUT—your Old or Damaged Stock of Photo Goods.

Why keep them any longer? Turn them into CASH.

I GIVE BEST PRICES for Old Films (damaged, fogged Papers. Cards (any sizes). Old Photo Goods or Cameras. Bromlde Papers. Plates (all sizes, all makes). Send any goods in the photo line. I buy all, good or bad. Cash per return. A good price for all Cameras. Send them along.

S. E. HACKETT, 23 July Road, Liverpool

CALES MANAGEMENT.—Advertiser, at present Sales Manager of old-established firm, desires change; unique experience of Drug Trade, both at home and abroad, and highest possible credentials; with present firm sales increased by 25 per cent. in three years without Press advertising or price-cuting; expert knowledge Laboratory Manufacturing (especially Galenicals and Toilets); Distribution, Sales Control; would prefer North Country, but prepared remain London. 308/233, Office of this Paper.

SCOTLAND.—Experienced Representative, with extensive connexions Doctors, Wholesale and Retail Trade; would consider sound agencies. 183/1, Office of this Paper.

SITUATION Wanted as Packer, export and home. Apply to Mr. F. C. Odiam, 7 Florence Street, Islington, N.1.

OPECIALITY SALESMAN-TRAVELLER (aged 37) seeks Representation for Proprietary or Exclusive Lines; excellent connexion Lancs and North Wales; commission only offers need not apply. 21 Alderson Road, Liverpool 15.

FOR SALE

(Articles to the value of £5-£50.)

CASH Register, "National"; latest type; little used; must sell. Write P. Lewis, 735 High Road, E.11.

MISCELLANEOUS

10s. for 60 words or less; 1s. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

A DVERTISERS, having given up D. & P. work, have a quantity of Selo Paper, all sizes, in bulk for disposal; also small quantity Velox Paper, in packets, and Agfa Bromide Paper, large sizes. Offers invited or list sent on application Hodders, 5 Nelson Street, Bristol.

CHEMISTS' FITTINGS.—Second-hand, in excellent condition; Mallogany Drug Run, with 32 drawers, cupboard and lockers, 4 shelves above, 12 ft. long, £14 10s. Mahogany Glass-fronted Counter, 10 ft. long, £8 10s. Mahogany and Plate Glass Display Counter fitted 2 rows glass shelves, 9 ft. long, £10 10s. Mahogany Mirror Back Wall Case, 3 rows glass shelves, 5 ft. long, £17 10s. Mahogany 5-sided Sponge Case, 3 ft. high by 2 ft. 6 in. wide, £3 10s. Inspection invited. Illustrated catalogue of new modern Pharmacy Fittings on request. F. MAUND & E. BERG (SHOW-CASES), LTD., Shopfitters and Shop Front Builders, 175/9 Old Street, London, E.C.1.

MANAGE YOUR OWN BUSINESS!
Facilities offered make this possible.
Write, 184/49, Office of this Paper.

WE have just enlarged some almost new Pharmacies taken over by a multiple firm and can offer outstanding bargains in practically new and modern fittings; for example: 10-ft. Ideal Dispensing Screen; 10-ft. Ideal Dispensing Screen; 10-ft. Drug Fitting; 6-ft. Wall Showcase, £75. Write or call PHILIP JOSEPHS & SONS, LTD., 90/92 St. John Street, Clerkenwell, E.C.1. 'Phone Clerk. 4111/2. "Pharmacy Fitters for Over a Century."

WE HAVE WHAT YOU WANT for a FIRST-CLASS PHAR-MACY in OAK OR MAHOGANY, suit any size shop; new or reconditioned Fittings at reasonable price. Call or send your requirements. RUDDUCK & CO., 219/227 Old Street, London, E.C.1. Phone Clerkenwell 3782 for FREE Estimate.

COMPLETE CHEMIST FITTINGS at any price you wish to pay. We have erected in our showrooms a Complete Chemist's Shop with Metal Shop Front, Window Backs, Correct Window Lighting. Signs and modern Interior Fittings. Apply for Lists, D. MATTHEWS & SON, LTD., "The Liverpool Shop Fitters," 14 and 16 Manchester Street, Liverpool. Est. 1848.

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BRITISH makers of PHENACETIN B.P.

(ACETPHENETIDIN)

MONSANTO CHEMICALS LIMITED

VICTORIA STATION HOUSE, VICTORIA ST., LONDON, S.W.I

Northern Sales Office King's House, King St. W. Manchester Canada 378 St. Paul St. W. Montreal, Que. crystals and powder

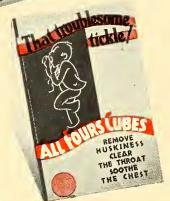
THE PREMIER MEDICATED SWEET

ALL-FOURS CUBES For COUGHS, COLDS and SORE THROATS

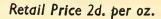
The Quick Selling Cough Sweet

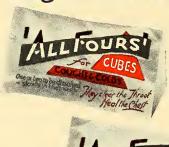














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